

**ANHANG**

Nach Nummern geordnete Konkordanzlisten für die in den Abschnitten 2a, 2h, 3a, 3h, 4a, 4h, 5a, 5b, 5c, 5d, 5h, 6a, 6b, 6h dieses Heftes aufgeführten Bekanntgaben zu Patentanmeldungen, Patenten und Gebrauchsmustereintragungen.

**Zu Abschnitt 2a)1:**

| (21) DE-AKZ     | (51) IPC-HKL |                 |             |                 |             |
|-----------------|--------------|-----------------|-------------|-----------------|-------------|
| 10 2024 001 610 | B29C 48/25   | 10 2024 001 838 | G01M 13/02  | 10 2024 114 931 | H01M 8/0408 |
| 10 2024 001 713 | F16C 33/50   | 10 2024 001 841 | F16S 3/04   | 10 2024 114 932 | E05F 15/73  |
| 10 2024 001 714 | A01K 31/04   | 10 2024 001 842 | A61N 5/06   | 10 2024 114 933 | H05K 3/30   |
| 10 2024 001 718 | A47K 11/03   | 10 2024 001 886 | H02S 30/20  | 10 2024 114 934 | B60N 2/75   |
| 10 2024 001 719 | B21D 51/24   | 10 2024 003 317 | H04R 5/02   | 10 2024 114 936 | H05K 7/02   |
| 10 2024 001 726 | C10J 1/20    | 10 2024 004 482 | H10N 30/80  | 10 2024 114 942 | B01J 19/12  |
| 10 2024 001 727 | C10L 3/06    | 10 2024 004 498 | H01M 50/264 | 10 2024 114 943 | F25D 23/08  |
| 10 2024 001 730 | C10J 1/20    | 10 2024 004 526 | H10N 30/853 | 10 2024 114 944 | D21F 5/02   |
| 10 2024 001 731 | C10J 1/20    | 10 2024 113 475 | B60N 2/02   | 10 2024 114 948 | B60W 30/06  |
| 10 2024 001 732 | H01M 50/264  | 10 2024 114 872 | B60R 16/02  | 10 2024 114 949 | B60W 40/09  |
| 10 2024 001 737 | G01R 31/396  | 10 2024 114 874 | H01L 21/66  | 10 2024 114 951 | B01J 19/24  |
| 10 2024 001 740 | B62J 9/27    | 10 2024 114 875 | C09J 201/10 | 10 2024 114 953 | B60P 3/34   |
| 10 2024 001 741 | E04H 12/34   | 10 2024 114 876 | F16D 13/64  | 10 2024 114 956 | H01R 4/48   |
| 10 2024 001 742 | B23B 5/26    | 10 2024 114 877 | H04L 9/40   | 10 2024 114 957 | H01R 4/48   |
| 10 2024 001 744 | B66F 9/18    | 10 2024 114 878 | B60K 11/08  | 10 2024 114 958 | H01R 4/48   |
| 10 2024 001 745 | B66F 9/18    | 10 2024 114 881 | A01C 17/00  | 10 2024 114 960 | C25B 15/08  |
| 10 2024 001 749 | A61F 5/56    | 10 2024 114 883 | F21S 43/20  | 10 2024 114 963 | B32B 7/02   |
| 10 2024 001 757 | G06Q 10/08   | 10 2024 114 884 | F01N 11/00  | 10 2024 114 964 | H01M 50/503 |
| 10 2024 001 763 | B62D 21/11   | 10 2024 114 885 | B60Q 1/26   | 10 2024 114 966 | A01D 43/08  |
| 10 2024 001 765 | B60K 11/06   | 10 2024 114 888 | B60Q 1/24   | 10 2024 114 967 | A01D 43/08  |
| 10 2024 001 766 | B60R 13/02   | 10 2024 114 889 | F02M 26/35  | 10 2024 114 970 | B65G 47/08  |
| 10 2024 001 769 | B43K 29/00   | 10 2024 114 891 | B25B 23/00  | 10 2024 114 973 | H01S 3/10   |
| 10 2024 001 770 | B29C 48/87   | 10 2024 114 895 | H01M 10/625 | 10 2024 114 974 | A61B 17/17  |
| 10 2024 001 774 | H02S 20/30   | 10 2024 114 896 | G03F 1/84   | 10 2024 114 977 | E03C 1/046  |
| 10 2024 001 776 | C11C 5/00    | 10 2024 114 897 | B60L 53/20  | 10 2024 114 979 | B60N 3/02   |
| 10 2024 001 777 | F15B 21/08   | 10 2024 114 899 | B60P 3/34   | 10 2024 114 981 | F01K 25/10  |
| 10 2024 001 779 | F28D 7/16    | 10 2024 114 902 | H04L 12/407 | 10 2024 114 988 | H01M 50/516 |
| 10 2024 001 780 | B60R 16/033  | 10 2024 114 904 | C04B 20/00  | 10 2024 114 990 | G01D 11/24  |
| 10 2024 001 785 | B60L 50/60   | 10 2024 114 905 | H01M 4/139  | 10 2024 114 994 | G01F 23/28  |
| 10 2024 001 786 | B60R 16/033  | 10 2024 114 907 | B60R 16/03  | 10 2024 114 995 | G05B 19/04  |
| 10 2024 001 787 | A61B 5/103   | 10 2024 114 908 | B60R 16/033 | 10 2024 114 996 | H01B 7/02   |
| 10 2024 001 789 | B60L 50/60   | 10 2024 114 909 | H01M 50/244 | 10 2024 114 997 | B25F 5/00   |
| 10 2024 001 790 | B60L 50/60   | 10 2024 114 910 | F16H 48/38  | 10 2024 115 010 | H01R 13/44  |
| 10 2024 001 794 | A01M 1/10    | 10 2024 114 911 | H02K 9/00   | 10 2024 115 011 | H01M 50/30  |
| 10 2024 001 796 | A45F 4/10    | 10 2024 114 912 | H01L 23/488 | 10 2024 115 012 | G01R 1/04   |
| 10 2024 001 797 | C09D 5/34    | 10 2024 114 913 | B66C 23/88  | 10 2024 115 014 | E01C 19/52  |
| 10 2024 001 805 | G16H 40/60   | 10 2024 114 914 | H02K 5/16   | 10 2024 115 015 | F15B 11/08  |
| 10 2024 001 806 | G05D 16/20   | 10 2024 114 915 | H02K 7/108  | 10 2024 115 017 | F15B 11/08  |
| 10 2024 001 807 | G05D 16/20   | 10 2024 114 916 | A47J 31/24  | 10 2024 115 018 | B65B 59/04  |
| 10 2024 001 809 | B60T 8/1769  | 10 2024 114 918 | G01K 1/08   | 10 2024 115 020 | E21B 19/16  |
|                 |              | 10 2024 114 921 | F16H 61/22  | 10 2024 115 021 | B29C 49/30  |
|                 |              | 10 2024 114 922 | G01F 23/284 | 10 2024 115 023 | G10D 9/00   |
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| 10 2024 115 026 | A61B 5/08   | 10 2024 115 130 | B28B 13/02  | 10 2024 115 244 | H01S 5/02   |
| 10 2024 115 028 | H02P 25/022 | 10 2024 115 131 | B28B 13/02  | 10 2024 115 245 | G01N 21/90  |
| 10 2024 115 034 | B65B 35/54  | 10 2024 115 132 | G01N 17/00  | 10 2024 115 247 | B65G 47/84  |
| 10 2024 115 038 | E02D 3/02   | 10 2024 115 133 | B29C 49/42  | 10 2024 115 249 | B64U 10/25  |
| 10 2024 115 049 | A61K 31/795 | 10 2024 115 136 | E01C 19/48  | 10 2024 115 250 | B65B 59/00  |
| 10 2024 115 050 | B25B 11/00  | 10 2024 115 137 | F16C 7/02   | 10 2024 115 252 | C01B 3/02   |
| 10 2024 115 055 | H10H 20/85  | 10 2024 115 139 | A23N 17/00  | 10 2024 115 254 | B29C 49/64  |
| 10 2024 115 056 | B65D 81/38  | 10 2024 115 141 | G06V 30/19  | 10 2024 115 255 | B60R 16/02  |
| 10 2024 115 058 | A61F 13/02  | 10 2024 115 142 | B65G 39/02  | 10 2024 115 257 | A61M 25/10  |
| 10 2024 115 059 | B62D 21/15  | 10 2024 115 144 | C09J 153/00 | 10 2024 115 258 | C09J 7/20   |
| 10 2024 115 061 | G01J 3/02   | 10 2024 115 146 | B65D 5/43   | 10 2024 115 260 | A61M 25/10  |
| 10 2024 115 062 | G01N 27/404 | 10 2024 115 154 | A62C 37/00  | 10 2024 115 261 | A61M 25/10  |
| 10 2024 115 063 | G01D 21/00  | 10 2024 115 156 | G01N 21/21  | 10 2024 115 262 | A61M 25/10  |
| 10 2024 115 064 | F16J 13/08  | 10 2024 115 158 | B21J 15/10  | 10 2024 115 264 | B66F 9/07   |
| 10 2024 115 069 | B01F 25/00  | 10 2024 115 159 | B60J 5/04   | 10 2024 115 266 | E02D 27/12  |
| 10 2024 115 071 | B26D 7/32   | 10 2024 115 160 | B60K 17/34  | 10 2024 115 267 | C07C 45/28  |
| 10 2024 115 072 | G06F 21/60  | 10 2024 115 163 | G01N 30/30  | 10 2024 115 269 | A47C 7/00   |
| 10 2024 115 075 | A61L 2/16   | 10 2024 115 167 | G01N 21/64  | 10 2024 115 271 | B25J 9/10   |
| 10 2024 115 077 | B01D 53/04  | 10 2024 115 172 | B25B 23/00  | 10 2024 115 273 | A47B 13/16  |
| 10 2024 115 078 | F26B 25/00  | 10 2024 115 183 | B02C 13/284 | 10 2024 115 274 | B60J 7/04   |
| 10 2024 115 079 | B01D 53/04  | 10 2024 115 185 | E01B 29/06  | 10 2024 115 275 | B05D 1/26   |
| 10 2024 115 080 | H01F 27/24  | 10 2024 115 186 | H01R 39/02  | 10 2024 115 283 | B65D 6/16   |
| 10 2024 115 081 | B01D 53/04  | 10 2024 115 190 | C07C 57/30  | 10 2024 115 297 | B62J 6/045  |
| 10 2024 115 082 | H02K 11/042 | 10 2024 115 191 | A47J 42/32  | 10 2024 115 299 | F16C 31/04  |
| 10 2024 115 083 | A61B 5/022  | 10 2024 115 194 | B23K 26/08  | 10 2024 115 300 | B60R 21/013 |
| 10 2024 115 086 | E03F 1/00   | 10 2024 115 198 | G01R 1/02   | 10 2024 115 301 | B60C 23/04  |
| 10 2024 115 087 | E05F 15/72  | 10 2024 115 199 | G06Q 10/04  | 10 2024 115 305 | A47J 31/40  |
| 10 2024 115 088 | E01H 10/00  | 10 2024 115 200 | B64C 1/12   | 10 2024 115 306 | A47J 31/46  |
| 10 2024 115 089 | G05G 1/46   | 10 2024 115 203 | B05B 12/06  | 10 2024 115 308 | B60B 19/06  |
| 10 2024 115 091 | A47J 43/07  | 10 2024 115 205 | F03D 13/30  | 10 2024 115 311 | A47J 31/44  |
| 10 2024 115 093 | C23C 2/06   | 10 2024 115 206 | G06F 8/10   | 10 2024 115 312 | G01B 21/04  |
| 10 2024 115 095 | A01D 43/073 | 10 2024 115 207 | B60R 16/02  | 10 2024 115 314 | H10F 30/21  |
| 10 2024 115 099 | A01D 41/127 | 10 2024 115 213 | H01F 27/30  | 10 2024 115 315 | F16K 27/00  |
| 10 2024 115 104 | B05C 17/005 | 10 2024 115 214 | H03K 17/082 | 10 2024 115 320 | G02B 7/10   |
| 10 2024 115 105 | F16L 41/08  | 10 2024 115 216 | H04B 5/20   | 10 2024 115 322 | A47G 21/18  |
| 10 2024 115 108 | F15B 21/044 | 10 2024 115 218 | B65B 7/16   | 10 2024 115 323 | F21S 41/64  |
| 10 2024 115 109 | H01B 7/08   | 10 2024 115 219 | B29C 63/00  | 10 2024 115 325 | E05B 81/20  |
| 10 2024 115 111 | B64U 70/20  | 10 2024 115 223 | B65G 27/04  | 10 2024 115 326 | H02K 1/18   |
| 10 2024 115 112 | B29C 48/154 | 10 2024 115 224 | E05F 15/627 | 10 2024 115 328 | H02K 1/02   |
| 10 2024 115 114 | E05B 77/36  | 10 2024 115 227 | C12G 3/06   | 10 2024 115 329 | F02M 21/02  |
| 10 2024 115 115 | B29C 64/209 | 10 2024 115 228 | G01B 11/30  | 10 2024 115 332 | B60R 16/02  |
| 10 2024 115 118 | B67C 7/00   | 10 2024 115 230 | E05F 15/627 | 10 2024 115 336 | B60H 1/24   |
| 10 2024 115 122 | F04D 29/08  | 10 2024 115 233 | A01C 7/00   | 10 2024 115 343 | B60S 1/08   |
| 10 2024 115 123 | B29C 49/64  | 10 2024 115 234 | B30B 1/32   | 10 2024 115 347 | F23N 5/00   |
| 10 2024 115 124 | B43K 25/00  | 10 2024 115 235 | B60Q 1/08   | 10 2024 115 348 | F16D 48/02  |
| 10 2024 115 125 | A61F 13/06  | 10 2024 115 236 | B65B 35/00  | 10 2024 115 349 | B62D 25/10  |
| 10 2024 115 126 | B62D 24/00  | 10 2024 115 238 | G02B 27/18  | 10 2024 115 350 | B60H 1/00   |
| 10 2024 115 127 | A61F 13/06  | 10 2024 115 241 | B65B 35/00  | 10 2024 115 351 | B60R 16/037 |

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| 10 2024 115 352 | H03K 17/96  | 10 2024 115 437 | H01M 10/6555 | 10 2024 115 526 | F16J 15/06   |
| 10 2024 115 354 | B21K 1/06   | 10 2024 115 438 | G01B 9/02    | 10 2024 115 527 | F16J 15/06   |
| 10 2024 115 355 | H04W 12/50  | 10 2024 115 443 | F16D 65/097  | 10 2024 115 530 | A61M 21/00   |
| 10 2024 115 356 | B05C 11/10  | 10 2024 115 444 | F01N 3/08    | 10 2024 115 531 | B62D 13/06   |
| 10 2024 115 357 | B23K 26/064 | 10 2024 115 446 | F24C 15/16   | 10 2024 115 532 | E03C 1/22    |
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| 10 2024 115 362 | G07C 5/08   | 10 2024 115 449 | G06F 21/55   | 10 2024 115 534 | H01M 8/0297  |
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| 10 2024 115 364 | H01M 8/0411 | 10 2024 115 452 | H04L 43/00   | 10 2024 115 538 | F22B 1/12    |
| 10 2024 115 365 | H01M 8/0411 | 10 2024 115 453 | A61M 1/34    | 10 2024 115 539 | A61K 35/13   |
| 10 2024 115 367 | C08L 53/00  | 10 2024 115 457 | F24C 15/16   | 10 2024 115 541 | C25B 15/06   |
| 10 2024 115 368 | F25D 27/00  | 10 2024 115 458 | B01J 23/63   | 10 2024 115 542 | F41A 21/30   |
| 10 2024 115 369 | F16K 1/48   | 10 2024 115 459 | H05K 5/04    | 10 2024 115 543 | C09D 17/00   |
| 10 2024 115 370 | F16C 19/28  | 10 2024 115 462 | B60J 7/04    | 10 2024 115 545 | G06Q 50/06   |
| 10 2024 115 372 | B60W 50/14  | 10 2024 115 464 | H01R 4/2433  | 10 2024 115 546 | B05B 9/01    |
| 10 2024 115 373 | B23K 26/064 | 10 2024 115 466 | H01R 13/703  | 10 2024 115 548 | B67C 3/22    |
| 10 2024 115 376 | G06Q 10/08  | 10 2024 115 467 | H01R 4/66    | 10 2024 115 558 | H01Q 1/00    |
| 10 2024 115 379 | B66C 23/70  | 10 2024 115 471 | B23K 1/00    | 10 2024 115 562 | F16L 55/162  |
| 10 2024 115 380 | B60B 27/02  | 10 2024 115 472 | B60R 13/10   | 10 2024 115 938 | H10N 30/80   |
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| 10 2024 115 388 | H02K 1/06   | 10 2024 115 480 | B65B 51/16   | 10 2024 120 184 | H01Q 1/36    |
| 10 2024 115 391 | G06N 10/60  | 10 2024 115 481 | G06N 10/60   | 10 2024 120 195 | F16H 48/22   |
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| 10 2024 115 395 | E03C 1/01   | 10 2024 115 489 | A61L 9/14    | 10 2024 120 305 | A61H 3/04    |
| 10 2024 115 396 | A42B 3/30   | 10 2024 115 491 | G05B 19/414  | 10 2024 120 634 | H01M 4/36    |
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| 10 2024 115 413 | H05K 3/00   | 10 2024 115 503 | B23K 26/03   | 10 2024 121 344 | B22D 17/20   |
| 10 2024 115 414 | H01M 8/0202 | 10 2024 115 504 | B23K 26/03   | 10 2024 121 345 | H01M 10/6567 |
| 10 2024 115 416 | F16D 65/12  | 10 2024 115 509 | H02K 1/16    | 10 2024 121 346 | G01S 11/02   |
| 10 2024 115 418 | G01S 7/481  | 10 2024 115 510 | G01R 15/20   | 10 2024 121 349 | H01M 10/637  |
| 10 2024 115 420 | A61B 90/11  | 10 2024 115 511 | B60L 8/00    | 10 2024 121 350 | B62D 27/06   |
| 10 2024 115 421 | B60R 16/02  | 10 2024 115 512 | B60W 40/04   | 10 2024 121 423 | B60W 40/02   |
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| 10 2024 123 661 | H05K 3/36   | 10 2024 204 921 | G06F 15/177 | 10 2024 204 999 | F23D 14/82  |
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| 10 2024 126 491 | F16P 3/14   | 10 2024 204 924 | B60C 23/04  | 10 2024 205 002 | B62D 5/04   |
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| 10 2024 132 412 | H05K 1/02   | 10 2024 204 939 | B23K 26/382 | 10 2024 205 021 | G01M 7/02   |
| 10 2024 132 638 | B60N 3/00   | 10 2024 204 940 | B23K 26/382 | 10 2024 205 022 | G01M 15/12  |
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| 10 2024 134 266 | G09F 9/30   | 10 2024 204 947 | G01M 17/02  | 10 2024 205 025 | B81B 7/02   |
| 10 2024 134 398 | F01N 3/28   | 10 2024 204 948 | G01M 17/02  | 10 2024 205 029 | G03F 7/20   |
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| 10 2024 135 264 | B60R 21/205 | 10 2024 204 968 | B60C 11/113 | 10 2024 205 046 | H01M 50/124 |
| 10 2024 135 283 | B32B 3/12   | 10 2024 204 969 | H10D 64/20  | 10 2024 205 047 | G06F 17/10  |
| 10 2024 135 454 | B62D 29/00  | 10 2024 204 970 | A47L 9/02   | 10 2024 205 049 | B23K 26/24  |
| 10 2024 136 122 | H04N 21/482 | 10 2024 204 971 | A47L 9/00   | 10 2024 205 050 | B29C 65/54  |
| 10 2024 136 385 | F24C 7/08   | 10 2024 204 972 | A47L 11/40  | 10 2024 205 051 | H05B 3/10   |
| 10 2024 136 771 | H02G 3/32   | 10 2024 204 974 | H02K 3/50   | 10 2024 205 052 | H01L 21/304 |
| 10 2024 136 826 | B62D 25/20  | 10 2024 204 975 | G06F 13/42  | 10 2024 205 053 | A47C 7/62   |
| 10 2024 137 104 | G06F 3/14   | 10 2024 204 978 | B60K 35/53  | 10 2024 205 055 | H05K 7/20   |
| 10 2024 139 836 | B01D 46/00  | 10 2024 204 980 | G06Q 50/47  | 10 2024 205 056 | H01G 4/32   |
| 10 2024 204 909 | B60T 1/06   | 10 2024 204 981 | H01M 8/0271 | 10 2024 205 057 | H01R 12/51  |
| 10 2024 204 910 | B62H 5/18   | 10 2024 204 983 | F24F 13/08  | 10 2024 205 059 | H05K 7/00   |
| 10 2024 204 911 | G06F 17/10  | 10 2024 204 984 | F24C 15/00  | 10 2024 205 060 | G16H 30/00  |
| 10 2024 204 912 | A61M 25/095 | 10 2024 204 985 | B60L 50/72  | 10 2024 205 062 | B60L 53/35  |
| 10 2024 204 913 | G06N 3/063  | 10 2024 204 986 | G06F 30/20  | 10 2024 205 063 | B60L 53/35  |
| 10 2024 204 915 | H10D 80/20  | 10 2024 204 987 | H02K 1/27   | 10 2024 205 065 | H05K 7/20   |
| 10 2024 204 916 | H01L 23/488 | 10 2024 204 988 | B60W 40/06  | 10 2024 205 066 | C02F 1/06   |
| 10 2024 204 917 | H01L 23/492 | 10 2024 204 990 | G08G 1/09   | 10 2024 205 068 | F16K 1/44   |
| 10 2024 204 918 | G06F 9/50   | 10 2024 204 995 | G01N 27/12  | 10 2024 205 069 | G01K 1/14   |
| 10 2024 204 919 | H04L 49/00  | 10 2024 204 996 | B60W 50/029 | 10 2024 205 070 | G01K 1/08   |
| 10 2024 204 920 | G08C 19/00  | 10 2024 204 997 | B81B 3/00   | 10 2024 205 071 | G01K 1/08   |

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| 10 2024 205 072 | G01K 1/08   | 10 2024 205 140 | G06F 16/832  | 10 2025 108 762 | G01V 7/02   |
| 10 2024 205 073 | G01K 1/14   | 10 2024 205 141 | G01R 33/3815 | 10 2025 108 849 | B01J 8/02   |
| 10 2024 205 074 | B60R 16/02  | 10 2024 205 143 | F16D 1/02    | 10 2025 109 100 | F16C 33/38  |
| 10 2024 205 076 | B60R 25/24  | 10 2024 205 145 | F16H 47/04   | 10 2025 109 104 | F16C 33/38  |
| 10 2024 205 077 | B60R 16/02  | 10 2024 205 146 | H02M 1/42    | 10 2025 109 105 | F16C 33/44  |
| 10 2024 205 078 | A61G 3/02   | 10 2024 205 147 | B62D 59/04   | 10 2025 109 108 | F16C 33/38  |
| 10 2024 205 082 | H05G 1/02   | 10 2024 205 148 | G01R 31/392  | 10 2025 109 110 | F16C 33/38  |
| 10 2024 205 083 | H02K 1/18   | 10 2024 205 149 | G02B 5/08    | 10 2025 109 192 | B60B 27/00  |
| 10 2024 205 084 | A61B 5/055  | 10 2024 205 150 | A47L 15/42   | 10 2025 110 081 | G01R 19/00  |
| 10 2024 205 086 | H02K 9/19   | 10 2024 211 150 | F16H 63/38   | 10 2025 110 551 | H02M 1/088  |
| 10 2024 205 087 | G01M 17/02  | 10 2024 211 154 | F16H 63/38   | 10 2025 112 264 | G01R 19/10  |
| 10 2024 205 088 | B60C 23/04  | 10 2024 211 421 | H10D 89/00   | 10 2025 112 408 | B60B 27/04  |
| 10 2024 205 090 | H02K 9/19   | 10 2025 000 144 | B60K 1/04    | 10 2025 112 442 | B62M 25/08  |
| 10 2024 205 091 | G01B 15/02  | 10 2025 001 660 | E05G 5/00    | 10 2025 112 459 | H02N 2/18   |
| 10 2024 205 093 | B60K 23/04  | 10 2025 001 766 | G10C 3/02    | 10 2025 112 483 | B62K 23/02  |
| 10 2024 205 094 | B60L 15/20  | 10 2025 100 161 | H01L 23/538  | 10 2025 113 044 | A44B 19/24  |
| 10 2024 205 095 | B60L 53/38  | 10 2025 100 162 | H10B 12/00   | 10 2025 113 243 | H10D 84/83  |
| 10 2024 205 097 | C01B 32/50  | 10 2025 100 173 | H01L 23/544  | 10 2025 114 037 | B60H 1/00   |
| 10 2024 205 098 | G01C 21/28  | 10 2025 100 176 | H10D 84/83   | 10 2025 114 265 | H10D 84/83  |
| 10 2024 205 099 | H01H 33/66  | 10 2025 100 177 | H10D 30/01   | 10 2025 114 959 | G08C 17/02  |
| 10 2024 205 100 | H01H 33/60  | 10 2025 100 178 | H10D 64/01   | 10 2025 115 019 | H10N 30/80  |
| 10 2024 205 101 | H01M 50/516 | 10 2025 100 179 | H10B 10/00   | 10 2025 115 265 | H10N 30/80  |
| 10 2024 205 102 | H01H 33/53  | 10 2025 100 181 | H10D 30/01   | 10 2025 115 430 | B25F 5/02   |
| 10 2024 205 103 | H01H 33/64  | 10 2025 100 182 | H10D 30/01   | 10 2025 115 596 | H01M 4/86   |
| 10 2024 205 105 | F16C 33/30  | 10 2025 100 345 | G03F 7/20    | 10 2025 115 761 | H04R 1/34   |
| 10 2024 205 106 | B63B 39/06  | 10 2025 100 641 | G02B 7/00    | 10 2025 115 766 | B60T 8/172  |
| 10 2024 205 107 | B21C 47/28  | 10 2025 100 984 | H01M 10/0525 | 10 2025 115 847 | B60N 2/56   |
| 10 2024 205 109 | B60L 53/60  | 10 2025 101 233 | H10D 30/01   | 10 2025 116 000 | A01D 41/14  |
| 10 2024 205 112 | B60N 3/00   | 10 2025 101 254 | H10B 12/00   | 10 2025 116 203 | H01M 4/485  |
| 10 2024 205 114 | G01R 31/327 | 10 2025 101 656 | H10D 30/01   | 10 2025 116 237 | F16B 5/02   |
| 10 2024 205 115 | G01S 7/36   | 10 2025 101 688 | H10D 30/01   | 10 2025 116 244 | G06F 13/16  |
| 10 2024 205 116 | G01R 31/327 | 10 2025 102 126 | H10D 84/85   | 10 2025 116 305 | E05F 1/10   |
| 10 2024 205 118 | H01M 50/569 | 10 2025 102 749 | H01M 4/525   | 10 2025 116 342 | G01R 31/36  |
| 10 2024 205 119 | H01M 50/103 | 10 2025 102 772 | H10D 64/23   | 10 2025 116 461 | A01D 41/12  |
| 10 2024 205 121 | B62D 25/12  | 10 2025 102 780 | A61C 17/02   | 10 2025 116 650 | G06F 1/16   |
| 10 2024 205 122 | B62D 25/12  | 10 2025 102 830 | H10D 30/60   | 10 2025 116 666 | H01L 23/50  |
| 10 2024 205 123 | G01C 19/64  | 10 2025 102 939 | B62D 25/24   | 10 2025 116 678 | H10D 12/00  |
| 10 2024 205 124 | G02B 21/24  | 10 2025 103 823 | B29C 45/76   | 10 2025 116 751 | H01L 23/522 |
| 10 2024 205 126 | B81B 7/02   | 10 2025 103 864 | B23K 26/53   | 10 2025 116 808 | F17C 13/06  |
| 10 2024 205 127 | G02B 21/00  | 10 2025 104 778 | H10D 84/83   | 10 2025 116 938 | H10D 30/60  |
| 10 2024 205 129 | G01S 19/45  | 10 2025 104 811 | H10D 30/01   | 10 2025 117 083 | B65H 49/00  |
| 10 2024 205 130 | G01T 1/29   | 10 2025 105 272 | G03F 7/20    | 10 2025 117 225 | H03F 1/32   |
| 10 2024 205 131 | F24C 15/18  | 10 2025 105 336 | B60K 6/50    | 10 2025 117 245 | H02K 3/28   |
| 10 2024 205 132 | F24C 7/08   | 10 2025 105 386 | H10D 30/01   | 10 2025 117 257 | B62M 25/08  |
| 10 2024 205 133 | G01S 19/53  | 10 2025 106 828 | H01L 21/205  | 10 2025 117 258 | H01M 50/519 |
| 10 2024 205 134 | B60C 11/117 | 10 2025 107 406 | H10D 12/00   | 10 2025 117 523 | B62D 6/04   |
| 10 2024 205 137 | F25B 29/00  | 10 2025 107 779 | E06B 9/58    | 10 2025 117 566 | G03F 1/84   |
| 10 2024 205 138 | B60J 10/80  | 10 2025 108 049 | H10D 12/00   | 10 2025 117 667 | H01R 12/52  |

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|-----------------|-------------|-----------------|-------------|-----------------|--------------|
| 10 2025 117 686 | H05K 7/02   | 10 2025 119 711 | H02G 3/16   | 10 2025 120 706 | G06F 9/445   |
| 10 2025 117 764 | B60K 6/387  | 10 2025 119 714 | H02G 3/16   | 10 2025 120 713 | H01M 8/124   |
| 10 2025 117 796 | G08G 1/16   | 10 2025 119 717 | H05K 7/02   | 10 2025 120 722 | B62D 25/08   |
| 10 2025 117 943 | G01J 5/0875 | 10 2025 119 787 | B25B 23/00  | 10 2025 120 727 | F16K 11/085  |
| 10 2025 118 031 | H01M 4/525  | 10 2025 119 823 | G06Q 50/04  | 10 2025 120 729 | G01H 17/00   |
| 10 2025 118 032 | H01M 4/525  | 10 2025 119 886 | G02F 1/133  | 10 2025 120 763 | F16D 41/07   |
| 10 2025 118 034 | G01L 1/22   | 10 2025 119 893 | B60R 11/02  | 10 2025 120 767 | H01R 13/187  |
| 10 2025 118 053 | G06Q 10/08  | 10 2025 119 897 | H01M 50/507 | 10 2025 120 780 | B60N 2/16    |
| 10 2025 118 180 | H01T 13/39  | 10 2025 119 899 | H02M 1/42   | 10 2025 120 802 | E04B 1/66    |
| 10 2025 118 189 | H01T 13/39  | 10 2025 119 922 | H05K 7/02   | 10 2025 120 841 | H01L 23/12   |
| 10 2025 118 234 | F21S 41/40  | 10 2025 119 926 | H02G 3/16   | 10 2025 120 901 | B05B 7/08    |
| 10 2025 118 269 | H01R 13/52  | 10 2025 119 970 | H05K 7/02   | 10 2025 120 927 | C03C 3/155   |
| 10 2025 118 277 | H02G 15/02  | 10 2025 119 975 | H05K 7/02   | 10 2025 120 928 | H04R 1/20    |
| 10 2025 118 294 | H02G 3/16   | 10 2025 120 014 | G01N 27/62  | 10 2025 120 963 | F25B 41/40   |
| 10 2025 118 295 | H05K 7/02   | 10 2025 120 025 | H01R 13/502 | 10 2025 120 967 | H04S 3/00    |
| 10 2025 118 302 | B62M 25/08  | 10 2025 120 106 | F26B 5/06   | 10 2025 120 977 | H01M 50/516  |
| 10 2025 118 420 | B60N 2/58   | 10 2025 120 107 | H10D 30/67  | 10 2025 120 981 | B62D 33/02   |
| 10 2025 118 537 | F04B 15/00  | 10 2025 120 110 | B60R 11/00  | 10 2025 120 985 | B25H 5/00    |
| 10 2025 118 590 | B25F 5/00   | 10 2025 120 114 | B60L 53/60  | 10 2025 120 986 | H02J 7/00    |
| 10 2025 118 619 | F04B 53/08  | 10 2025 120 119 | B62D 33/02  | 10 2025 120 994 | H02G 15/013  |
| 10 2025 118 737 | B60W 30/188 | 10 2025 120 142 | F02F 1/14   | 10 2025 120 999 | B62K 21/00   |
| 10 2025 118 800 | H05K 7/02   | 10 2025 120 169 | A63F 13/24  | 10 2025 121 001 | H02K 9/06    |
| 10 2025 118 801 | H05K 7/02   | 10 2025 120 178 | H02G 3/16   | 10 2025 121 016 | F04D 25/08   |
| 10 2025 118 802 | H05K 7/02   | 10 2025 120 183 | H02G 5/10   | 10 2025 121 034 | C07D 307/77  |
| 10 2025 118 803 | H05K 7/02   | 10 2025 120 184 | H02G 5/00   | 10 2025 121 067 | G06T 7/70    |
| 10 2025 118 804 | H05K 7/20   | 10 2025 120 186 | H02G 5/10   | 10 2025 121 077 | G06V 20/56   |
| 10 2025 118 904 | A41B 11/00  | 10 2025 120 197 | H01R 12/57  | 10 2025 121 085 | G01K 15/00   |
| 10 2025 118 918 | G09G 5/12   | 10 2025 120 221 | B64C 1/36   | 10 2025 121 086 | H01M 10/658  |
| 10 2025 118 963 | F01M 1/02   | 10 2025 120 343 | F02M 43/04  | 10 2025 121 089 | G01C 21/34   |
| 10 2025 119 056 | H05K 7/20   | 10 2025 120 362 | G03B 9/06   | 10 2025 121 094 | H02B 1/20    |
| 10 2025 119 058 | H05K 7/02   | 10 2025 120 388 | G08C 15/06  | 10 2025 121 141 | G08G 1/16    |
| 10 2025 119 059 | H05K 7/02   | 10 2025 120 402 | H01R 4/48   | 10 2025 121 143 | H01M 10/6567 |
| 10 2025 119 060 | H05K 7/02   | 10 2025 120 415 | F02F 11/00  | 10 2025 121 144 | H01M 50/264  |
| 10 2025 119 072 | H01G 4/38   | 10 2025 120 435 | G06F 1/20   | 10 2025 121 146 | B29C 45/14   |
| 10 2025 119 127 | H01T 13/39  | 10 2025 120 444 | B24B 23/06  | 10 2025 121 149 | B09B 3/80    |
| 10 2025 119 203 | G02B 27/01  | 10 2025 120 497 | H02M 7/48   | 10 2025 121 175 | H01Q 1/38    |
| 10 2025 119 204 | G02B 27/01  | 10 2025 120 507 | B60W 40/072 | 10 2025 121 176 | B60T 13/12   |
| 10 2025 119 237 | H05K 7/02   | 10 2025 120 515 | H04L 9/40   | 10 2025 121 179 | B60R 19/34   |
| 10 2025 119 239 | H05K 7/20   | 10 2025 120 522 | H04L 45/00  | 10 2025 121 180 | B60G 11/04   |
| 10 2025 119 360 | F16H 63/38  | 10 2025 120 528 | G06F 1/32   | 10 2025 121 182 | H04N 13/30   |
| 10 2025 119 409 | F02M 61/16  | 10 2025 120 547 | G01S 7/36   | 10 2025 121 183 | H01M 10/0562 |
| 10 2025 119 445 | H01R 4/48   | 10 2025 120 605 | A47L 9/04   | 10 2025 121 184 | G09G 5/10    |
| 10 2025 119 549 | A41D 19/00  | 10 2025 120 615 | F16L 51/02  | 10 2025 121 186 | H01M 4/505   |
| 10 2025 119 555 | F16K 31/50  | 10 2025 120 632 | B60N 2/58   | 10 2025 121 191 | H01L 23/50   |
| 10 2025 119 619 | F16H 25/20  | 10 2025 120 659 | F25B 41/42  | 10 2025 121 201 | H01M 50/531  |
| 10 2025 119 681 | B60L 53/22  | 10 2025 120 677 | B24B 23/06  | 10 2025 121 212 | F02M 51/00   |
| 10 2025 119 690 | H02K 11/30  | 10 2025 120 682 | B25F 5/00   | 10 2025 121 217 | F16L 41/04   |
| 10 2025 119 707 | H02M 1/10   | 10 2025 120 689 | G06F 3/01   | 10 2025 121 255 | G06T 7/50    |

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| 10 2025 121 269 | H02G 1/08    |
| 10 2025 121 270 | G06F 1/16    |
| 10 2025 121 271 | B32B 7/023   |
| 10 2025 121 291 | H01R 13/187  |
| 10 2025 121 295 | B25F 3/00    |
| 10 2025 121 303 | B62M 6/45    |
| 10 2025 121 361 | H04B 10/70   |
| 10 2025 121 374 | G06F 11/3698 |
| 10 2025 121 423 | B25F 5/02    |
| 10 2025 121 475 | G01M 1/22    |
| 10 2025 121 477 | H02K 1/20    |
| 10 2025 121 478 | B60T 17/22   |
| 10 2025 121 479 | B60K 35/232  |
| 10 2025 121 501 | B60H 1/24    |
| 10 2025 121 514 | H04B 1/16    |
| 10 2025 121 609 | H10N 79/00   |
| 10 2025 121 653 | B01D 46/42   |
| 10 2025 121 683 | G01C 21/30   |
| 10 2025 121 687 | B60W 30/10   |
| 10 2025 121 697 | G01C 7/04    |
| 10 2025 121 703 | G01S 7/03    |
| 10 2025 121 805 | H04L 43/00   |
| 10 2025 121 849 | F21L 4/00    |
| 10 2025 121 902 | F16L 21/02   |
| 10 2025 123 335 | B60R 25/25   |
| 10 2025 125 044 | A61B 34/20   |
| 10 2025 126 761 | H05B 47/10   |
| 10 2025 130 875 | G06Q 50/12   |
| 10 2025 137 684 | B60Q 1/08    |
| 10 2025 137 772 | F02M 26/24   |
| 10 2025 138 964 | B62D 21/15   |
| 10 2025 140 298 | B60K 35/81   |
| 10 2025 140 653 | B25B 23/08   |
| 10 2025 140 881 | B62D 65/02   |
| 10 2025 141 146 | H02K 3/04    |
| 10 2025 141 357 | B60R 11/00   |
| 10 2025 141 812 | B60W 50/08   |
| 10 2025 142 147 | G01S 13/04   |
| 10 2025 142 352 | B60H 1/00    |
| 10 2025 142 371 | B60L 53/63   |
| 10 2025 142 377 | B60N 2/90    |
| 10 2025 142 388 | B60R 16/03   |

**Zu Abschnitt 2a)8:**

|                 |              |
|-----------------|--------------|
| (21) DE-AKZ     | (51) IPC-HKL |
| 10 2023 114 876 | B29C 45/14   |

**Zu Abschnitt 2a)9:**

In diesem Heft keine Veröffentlichung

**Zu Abschnitt 2h:**

In diesem Heft keine Veröffentlichung

**Zu Abschnitt 3a)1:**

|                 |              |
|-----------------|--------------|
| (21) DE-AKZ     | (51) IPC-HKL |
| 10 2005 058 498 | B60W 30/06   |
| 10 2005 061 925 | F02M 61/04   |
| 10 2006 041 818 | G11B 27/00   |
| 10 2006 047 268 | G01M 13/025  |
| 10 2006 047 461 | B60W 30/06   |
| 10 2007 025 004 | B41F 33/00   |
| 10 2007 037 583 | F02P 5/15    |
| 10 2007 055 767 | B60K 1/00    |
| 10 2008 000 190 | E05B 17/18   |
| 10 2008 013 565 | F16L 37/12   |
| 10 2008 028 603 | H02K 5/04    |
| 10 2008 028 656 | H02K 5/04    |
| 10 2008 032 268 | G01N 27/407  |
| 10 2008 040 272 | H02J 13/00   |
| 10 2009 044 598 | E05B 85/06   |
| 10 2009 055 302 | G01N 27/406  |
| 10 2010 001 116 | G01F 23/26   |
| 10 2010 011 577 | B41F 33/00   |
| 10 2010 025 647 | H02J 3/28    |
| 10 2010 025 928 | C02F 9/00    |
| 10 2010 026 347 | F21V 8/00    |
| 10 2010 029 386 | B60W 20/14   |
| 10 2010 033 852 | H02K 5/04    |
| 10 2011 054 105 | H05K 1/14    |
| 10 2011 055 461 | G06K 7/10    |
| 10 2011 055 822 | H01M 8/043   |
| 10 2011 081 792 | F16F 9/348   |
| 10 2011 084 815 | B41F 23/04   |
| 10 2011 085 806 | B23K 26/082  |
| 10 2011 086 714 | H01B 9/02    |
| 10 2011 122 220 | F16F 9/32    |
| 10 2012 008 682 | F02F 3/00    |
| 10 2012 022 793 | H02K 5/22    |
| 10 2012 101 918 | H02K 51/00   |
| 10 2012 102 463 | B23K 11/11   |
| 10 2012 102 813 | H02K 5/22    |
| 10 2012 110 867 | B60J 7/19    |

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| 10 2012 112 375 | H02M 7/48    |
| 10 2012 113 191 | F28D 9/00    |
| 10 2012 209 120 | F16N 29/00   |
| 10 2012 224 421 | H04L 9/14    |
| 10 2013 006 329 | E05B 47/00   |
| 10 2013 010 708 | G01F 23/26   |
| 10 2013 011 752 | C02F 9/00    |
| 10 2013 022 560 | G06V 30/19   |
| 10 2013 106 601 | G01L 13/02   |
| 10 2013 108 183 | F01N 3/20    |
| 10 2013 201 909 | H02J 15/00   |
| 10 2013 201 926 | H01L 21/58   |
| 10 2013 202 650 | H02J 15/00   |
| 10 2013 204 610 | B62K 25/02   |
| 10 2013 205 052 | G07D 7/06    |
| 10 2013 206 597 | H01L 21/78   |
| 10 2013 207 275 | G01R 15/18   |
| 10 2013 218 330 | B60T 13/66   |
| 10 2013 218 948 | E05D 15/06   |
| 10 2013 220 234 | B23D 47/02   |
| 10 2013 220 236 | B23D 59/00   |
| 10 2013 221 143 | G01B 21/00   |
| 10 2013 226 892 | H05B 6/06    |
| 10 2013 227 222 | G01S 17/93   |
| 10 2014 007 408 | B22F 3/105   |
| 10 2014 104 447 | H05B 45/3725 |
| 10 2014 106 756 | B65G 27/04   |
| 10 2014 109 710 | C22C 38/40   |
| 10 2014 110 869 | B60T 13/12   |
| 10 2014 112 050 | E05B 47/00   |
| 10 2014 200 783 | B60R 16/02   |
| 10 2014 202 926 | F16K 31/06   |
| 10 2014 212 078 | B60R 5/04    |
| 10 2014 215 274 | B60W 30/16   |
| 10 2014 218 172 | H02S 10/00   |
| 10 2014 219 598 | B60W 30/18   |
| 10 2014 226 480 | B60W 30/16   |
| 10 2015 000 710 | B62M 9/10    |
| 10 2015 001 621 | B62M 3/00    |
| 10 2015 001 924 | B60R 19/24   |
| 10 2015 016 316 | G08B 27/00   |
| 10 2015 106 562 | H01R 43/042  |
| 10 2015 114 181 | B63H 16/10   |
| 10 2015 115 812 | H10D 80/30   |
| 10 2015 117 041 | E05B 47/00   |
| 10 2015 120 640 | H01C 7/112   |
| 10 2015 120 821 | C02F 1/00    |
| 10 2015 121 017 | H04N 25/40   |

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|-----------------|-------------|-----------------|-------------|-----------------|--------------|
| 10 2015 122 751 | H01H 85/20  | 10 2016 221 183 | G01S 7/497  | 10 2018 120 455 | H04R 1/04    |
| 10 2015 201 382 | H05K 13/08  | 10 2016 221 184 | G01S 7/497  | 10 2018 120 881 | H01L 21/58   |
| 10 2015 201 467 | B60K 15/03  | 10 2016 224 057 | B60T 17/22  | 10 2018 121 418 | A47J 31/60   |
| 10 2015 204 935 | B60R 5/04   | 10 2016 224 798 | H01F 3/00   | 10 2018 122 175 | B23K 11/10   |
| 10 2015 207 413 | B60L 53/20  | 10 2017 005 120 | H01F 27/26  | 10 2018 124 873 | B22C 9/04    |
| 10 2015 207 648 | G07C 1/30   | 10 2017 011 691 | G01F 23/22  | 10 2018 128 367 | B60K 6/50    |
| 10 2015 210 829 | B60J 10/21  | 10 2017 100 929 | H10K 50/00  | 10 2018 131 023 | H05B 45/325  |
| 10 2015 213 131 | B60K 26/02  | 10 2017 101 156 | H01F 37/00  | 10 2018 201 693 | H01M 10/04   |
| 10 2015 218 682 | B60S 1/38   | 10 2017 102 002 | B60J 7/057  | 10 2018 203 725 | B62D 25/00   |
| 10 2015 223 089 | H04L 65/00  | 10 2017 109 181 | H02K 11/33  | 10 2018 203 765 | H04L 41/00   |
| 10 2015 223 192 | D06F 58/22  | 10 2017 113 127 | B60R 16/02  | 10 2018 204 827 | H01M 8/0400  |
| 10 2015 224 552 | F16L 5/02   | 10 2017 113 581 | A61N 2/04   | 10 2018 207 572 | B60W 30/17   |
| 10 2015 224 619 | G05D 7/06   | 10 2017 114 562 | G02B 21/24  | 10 2018 208 412 | B60W 30/06   |
| 10 2015 224 622 | G05D 7/06   | 10 2017 116 694 | G06F 3/01   | 10 2018 209 056 | H02J 3/38    |
| 10 2015 224 867 | F02B 3/10   | 10 2017 117 914 | H05K 1/02   | 10 2018 209 474 | B62D 35/00   |
| 10 2015 225 806 | B60J 7/057  | 10 2017 118 851 | F16L 3/10   | 10 2018 210 724 | H10D 80/20   |
| 10 2016 015 749 | B41F 23/04  | 10 2017 119 398 | B60T 17/22  | 10 2018 212 555 | B60W 30/12   |
| 10 2016 015 804 | B60K 6/52   | 10 2017 119 601 | G06F 16/00  | 10 2018 215 732 | H04R 1/02    |
| 10 2016 016 083 | H04W 88/08  | 10 2017 122 346 | E05B 49/00  | 10 2018 220 083 | B62K 25/20   |
| 10 2016 100 397 | F16F 9/34   | 10 2017 122 387 | B64D 11/06  | 10 2018 221 654 | H05B 3/10    |
| 10 2016 101 300 | F02B 31/04  | 10 2017 124 838 | G01S 17/88  | 10 2019 003 223 | H01G 4/20    |
| 10 2016 101 890 | H01F 1/053  | 10 2017 129 454 | G01N 21/17  | 10 2019 003 754 | F16L 5/00    |
| 10 2016 102 678 | B62D 35/00  | 10 2017 129 532 | B60J 5/04   | 10 2019 005 990 | G01N 27/406  |
| 10 2016 104 129 | F16L 5/02   | 10 2017 129 981 | H10D 80/30  | 10 2019 009 179 | H01L 21/50   |
| 10 2016 104 382 | F02B 29/00  | 10 2017 200 481 | F16N 7/38   | 10 2019 102 100 | B60R 5/04    |
| 10 2016 107 162 | H01R 13/193 | 10 2017 206 004 | H04R 1/00   | 10 2019 102 544 | B23K 1/20    |
| 10 2016 107 238 | G01L 13/02  | 10 2017 213 675 | H02K 5/00   | 10 2019 103 419 | H04L 9/00    |
| 10 2016 108 064 | G01C 21/34  | 10 2017 217 429 | B60J 7/043  | 10 2019 109 140 | G08B 17/00   |
| 10 2016 109 485 | H10K 50/00  | 10 2017 220 184 | H02P 31/00  | 10 2019 116 719 | H10B 63/00   |
| 10 2016 109 549 | B60J 7/057  | 10 2017 222 428 | H01B 7/17   | 10 2019 117 108 | G06F 21/32   |
| 10 2016 113 009 | G09F 9/30   | 10 2018 001 057 | H10F 71/00  | 10 2019 118 970 | B60R 21/2338 |
| 10 2016 115 581 | B60J 7/08   | 10 2018 002 259 | G01D 5/38   | 10 2019 124 381 | A47F 7/00    |
| 10 2016 117 079 | B60J 7/02   | 10 2018 002 392 | H02P 23/14  | 10 2019 125 444 | H02G 3/22    |
| 10 2016 118 149 | H01F 27/00  | 10 2018 005 348 | C25D 3/46   | 10 2019 128 027 | F16B 37/08   |
| 10 2016 119 217 | B60Q 5/00   | 10 2018 005 576 | H02J 50/10  | 10 2019 128 756 | B60K 11/08   |
| 10 2016 121 031 | H04M 11/04  | 10 2018 005 655 | B62D 33/073 | 10 2019 129 790 | B31B 50/00   |
| 10 2016 121 669 | B60W 30/18  | 10 2018 010 434 | H10D 30/62  | 10 2019 131 408 | H01L 23/535  |
| 10 2016 122 139 | G01F 23/56  | 10 2018 101 196 | H05B 3/40   | 10 2019 132 398 | E05D 15/06   |
| 10 2016 200 699 | G01L 7/02   | 10 2018 101 454 | B60W 30/06  | 10 2019 133 211 | C02F 9/00    |
| 10 2016 203 304 | A61B 90/00  | 10 2018 106 360 | F16L 55/28  | 10 2019 133 865 | B62D 25/08   |
| 10 2016 204 152 | F25B 30/02  | 10 2018 107 401 | C02F 9/00   | 10 2019 202 097 | H02M 7/48    |
| 10 2016 208 701 | B23K 28/02  | 10 2018 107 596 | C02F 9/00   | 10 2019 203 293 | F25B 30/02   |
| 10 2016 209 926 | B62D 25/08  | 10 2018 107 955 | F16H 59/54  | 10 2019 204 359 | B64D 45/00   |
| 10 2016 213 067 | B65G 17/06  | 10 2018 109 055 | G05D 3/00   | 10 2019 205 891 | B65D 71/44   |
| 10 2016 213 411 | F01N 3/10   | 10 2018 109 306 | H05B 3/48   | 10 2019 205 968 | H02M 1/00    |
| 10 2016 214 475 | G01C 22/00  | 10 2018 110 716 | H04L 12/12  | 10 2019 208 105 | B60L 3/00    |
| 10 2016 217 065 | H04L 43/00  | 10 2018 112 586 | H01L 21/58  | 10 2019 211 318 | G01K 13/00   |
| 10 2016 219 466 | F16D 1/108  | 10 2018 119 409 | G01F 23/00  | 10 2019 212 029 | B60J 5/06    |

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| 10 2019 212 842 | G08G 1/09   | 10 2021 202 824 | B64D 35/00   | 10 2023 110 169 | B60R 16/02  |
| 10 2019 216 009 | F16F 15/04  | 10 2021 204 009 | B22F 10/16   | 10 2023 110 699 | H02P 29/00  |
| 10 2019 216 556 | H02P 27/08  | 10 2021 204 679 | H04L 43/00   | 10 2023 113 147 | G01C 21/20  |
| 10 2019 216 988 | G01B 7/00   | 10 2021 205 344 | B60K 6/36    | 10 2023 117 899 | B60K 1/04   |
| 10 2020 003 996 | E04F 13/07  | 10 2021 207 672 | B28D 5/00    | 10 2023 120 977 | F01P 5/12   |
| 10 2020 005 695 | B32B 7/025  | 10 2021 208 028 | B60L 5/20    | 10 2023 122 308 | F16F 13/16  |
| 10 2020 008 387 | F16B 2/04   | 10 2021 208 658 | B60K 1/00    | 10 2023 123 931 | B60K 1/00   |
| 10 2020 105 782 | H05B 3/40   | 10 2021 209 985 | B65G 1/04    | 10 2023 125 043 | B60J 1/16   |
| 10 2020 108 334 | H10F 19/33  | 10 2021 209 986 | B65G 1/04    | 10 2023 125 115 | B29C 70/52  |
| 10 2020 110 912 | F26B 13/10  | 10 2021 211 432 | B62D 6/00    | 10 2023 125 690 | B60W 30/18  |
| 10 2020 114 865 | H01L 21/205 | 10 2022 004 390 | H05K 7/20    | 10 2023 125 972 | G01S 17/86  |
| 10 2020 122 255 | H02K 11/00  | 10 2022 100 893 | H10D 84/83   | 10 2023 130 284 | H02K 9/00   |
| 10 2020 122 746 | A63B 21/072 | 10 2022 110 487 | F15B 15/14   | 10 2023 133 969 | B60S 1/56   |
| 10 2020 124 606 | H10B 20/00  | 10 2022 111 977 | H01S 5/223   | 10 2023 135 221 | B23K 11/36  |
| 10 2020 125 079 | B60G 7/02   | 10 2022 112 921 | F02B 75/18   | 10 2023 136 699 | A43D 1/00   |
| 10 2020 126 496 | B60W 30/06  | 10 2022 114 135 | F16K 15/18   | 10 2023 200 057 | B60G 7/02   |
| 10 2020 126 498 | B60W 30/06  | 10 2022 115 720 | B60W 40/04   | 10 2023 200 635 | G01R 22/06  |
| 10 2020 127 614 | B01J 23/44  | 10 2022 115 994 | H10D 10/00   | 10 2023 204 575 | G06Q 50/40  |
| 10 2020 129 586 | B65G 47/91  | 10 2022 117 190 | H01J 49/40   | 10 2023 204 581 | G06Q 10/08  |
| 10 2020 131 783 | B60W 30/18  | 10 2022 119 100 | F02G 5/02    | 10 2023 206 363 | B60J 7/12   |
| 10 2020 132 742 | H01G 7/02   | 10 2022 120 027 | B65G 17/48   | 10 2023 206 885 | G06F 21/73  |
| 10 2020 134 190 | B65B 9/10   | 10 2022 120 139 | B60Q 5/00    | 10 2023 209 659 | B60N 2/34   |
| 10 2020 202 910 | B60G 21/10  | 10 2022 126 552 | H04L 41/0833 | 10 2023 210 362 | H05B 6/02   |
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| 10 2020 204 159 | B60R 16/033 | 10 2022 129 057 | H10D 64/01   | 10 2023 210 690 | B60T 7/04   |
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| 10 2020 212 152 | F01P 7/16   | 10 2022 132 183 | B60R 22/34   | 10 2023 212 432 | H01L 23/31  |
| 10 2020 212 321 | H02P 23/08  | 10 2022 133 272 | G06T 11/00   | 10 2024 001 258 | B60R 16/033 |
| 10 2021 000 982 | F01L 1/26   | 10 2022 134 162 | C07F 15/00   | 10 2024 002 203 | F01L 3/20   |
| 10 2021 001 265 | F41H 3/00   | 10 2022 134 203 | A61B 34/30   | 10 2024 002 720 | G10D 3/173  |
| 10 2021 104 012 | B60R 16/027 | 10 2022 134 207 | A61B 34/30   | 10 2024 002 781 | B60Q 1/26   |
| 10 2021 106 093 | H10D 30/01  | 10 2022 134 350 | B23K 26/354  | 10 2024 003 074 | B60K 35/81  |
| 10 2021 106 857 | H01Q 17/00  | 10 2022 201 391 | B60K 1/00    | 10 2024 003 260 | B60W 30/00  |
| 10 2021 109 647 | B62D 6/10   | 10 2022 201 909 | F16F 9/46    | 10 2024 003 651 | G08G 1/0967 |
| 10 2021 109 719 | B60M 1/30   | 10 2022 202 555 | A61B 34/10   | 10 2024 101 299 | A61B 1/05   |
| 10 2021 110 073 | H02K 3/28   | 10 2022 202 644 | B60G 21/10   | 10 2024 102 003 | H01M 50/30  |
| 10 2021 113 342 | H01R 13/627 | 10 2022 202 846 | G01S 7/40    | 10 2024 103 773 | A61G 5/10   |
| 10 2021 113 645 | H01L 23/52  | 10 2022 203 388 | H01F 27/26   | 10 2024 104 096 | B62K 21/06  |
| 10 2021 114 047 | H01B 7/06   | 10 2022 204 371 | G01N 33/32   | 10 2024 104 719 | C02F 1/22   |
| 10 2021 114 069 | H05K 1/18   | 10 2022 204 739 | B60K 17/28   | 10 2024 104 794 | F03D 80/70  |
| 10 2021 114 696 | F16H 61/12  | 10 2022 210 155 | B62D 6/00    | 10 2024 104 817 | F24C 15/08  |
| 10 2021 118 565 | B60W 20/14  | 10 2022 210 570 | B60K 6/365   | 10 2024 104 980 | H01L 23/498 |
| 10 2021 120 873 | G03G 21/16  | 10 2022 211 818 | H01L 25/16   | 10 2024 105 065 | G05F 3/30   |
| 10 2021 129 327 | H05B 6/36   | 10 2023 004 177 | B23K 26/211  | 10 2024 105 813 | H04R 1/14   |
| 10 2021 129 977 | H02H 9/00   | 10 2023 005 386 | H02S 20/30   | 10 2024 105 838 | B62D 7/14   |
| 10 2021 132 440 | B62D 25/18  | 10 2023 104 975 | H01L 25/16   | 10 2024 106 470 | B01F 35/40  |
| 10 2021 133 474 | B01F 23/10  | 10 2023 107 577 | H01L 25/16   | 10 2024 107 827 | G05G 1/02   |
| 10 2021 202 755 | H05K 1/18   | 10 2023 107 632 | F01D 17/10   | 10 2024 108 257 | F03D 80/70  |

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| 10 2024 108 350 | G01R 29/22  | 10 2024 132 451 | H01F 7/06    | 11 2015 002 562 | G01T 1/202  |
| 10 2024 109 987 | H04L 41/00  | 10 2024 132 573 | G01N 29/04   | 11 2015 002 941 | G01T 1/172  |
| 10 2024 110 514 | H03K 3/64   | 10 2024 133 589 | G01S 17/26   | 11 2015 003 407 | G06K 7/10   |
| 10 2024 112 087 | H10F 71/00  | 10 2024 133 590 | G01S 17/26   | 11 2015 004 025 | H01B 11/00  |
| 10 2024 113 386 | H01J 37/26  | 10 2024 134 588 | B60K 35/70   | 11 2015 004 262 | H02K 11/30  |
| 10 2024 114 039 | H02P 21/18  | 10 2024 135 907 | B23B 37/00   | 11 2015 004 987 | F02B 29/04  |
| 10 2024 114 475 | A61M 39/02  | 10 2024 138 939 | B64C 1/22    | 11 2015 005 329 | G08G 1/16   |
| 10 2024 114 708 | B60R 22/48  | 10 2024 139 752 | F21S 41/29   | 11 2015 005 387 | H03K 17/04  |
| 10 2024 114 898 | G01R 31/34  | 10 2024 200 256 | F25B 30/02   | 11 2016 000 421 | G08G 1/16   |
| 10 2024 114 945 | H03K 17/08  | 10 2024 201 352 | B23K 3/04    | 11 2016 002 876 | H01F 1/057  |
| 10 2024 115 121 | B64U 70/20  | 10 2024 201 483 | B62D 6/00    | 11 2016 004 811 | B63H 21/20  |
| 10 2024 115 584 | F02M 25/025 | 10 2024 201 520 | A61B 6/04    | 11 2016 005 142 | F16F 9/44   |
| 10 2024 116 418 | B62D 25/20  | 10 2024 201 655 | B60K 7/00    | 11 2016 006 924 | B60K 1/00   |
| 10 2024 117 543 | G05D 3/00   | 10 2024 203 838 | H02K 15/12   | 11 2017 000 755 | E05B 49/00  |
| 10 2024 118 978 | B21D 53/36  | 10 2024 203 951 | H04L 41/12   | 11 2017 001 441 | H02M 7/48   |
| 10 2024 118 988 | G01N 27/08  | 10 2024 203 965 | F16B 4/00    | 11 2017 001 961 | H05K 13/04  |
| 10 2024 119 007 | H01M 50/519 | 10 2024 205 067 | G21K 1/02    | 11 2017 002 221 | H10D 30/66  |
| 10 2024 119 722 | G06K 19/077 | 10 2024 205 685 | B60S 3/04    | 11 2017 003 363 | H02P 23/04  |
| 10 2024 120 810 | G01C 9/28   | 10 2024 206 481 | B60L 3/06    | 11 2017 005 722 | H02M 1/00   |
| 10 2024 121 217 | E05F 15/632 | 10 2024 206 550 | H01J 35/02   | 11 2017 006 038 | B26F 1/24   |
| 10 2024 121 633 | G08C 17/02  | 10 2024 207 033 | G01R 31/327  | 11 2017 006 742 | F25B 30/02  |
| 10 2024 121 701 | H01R 31/02  | 10 2024 207 668 | H05G 2/00    | 11 2017 007 025 | G05D 3/12   |
| 10 2024 121 956 | G02F 1/1335 | 10 2024 207 872 | H04L 67/1095 | 11 2017 007 698 | G01N 27/447 |
| 10 2024 122 072 | B25J 15/00  | 10 2024 208 394 | B60W 30/12   | 11 2018 000 461 | B60S 1/56   |
| 10 2024 122 188 | G01C 9/24   | 10 2024 208 831 | G01R 1/04    | 11 2018 001 295 | H10D 30/67  |
| 10 2024 122 428 | B21B 37/16  | 10 2024 209 937 | H01R 13/639  | 11 2018 001 994 | H02K 7/116  |
| 10 2024 122 800 | H02N 2/02   | 10 2024 210 081 | H05K 1/18    | 11 2018 002 327 | H02K 3/38   |
| 10 2024 122 922 | H01L 25/16  | 10 2024 210 887 | G01P 1/02    | 11 2018 002 607 | H02J 50/12  |
| 10 2024 123 054 | B60S 1/56   | 10 2024 210 960 | G01P 3/00    | 11 2018 002 610 | H02M 1/00   |
| 10 2024 123 512 | H04L 9/08   | 10 2024 211 974 | B60W 30/14   | 11 2018 003 012 | G01D 5/249  |
| 10 2024 123 708 | H04L 9/16   | 10 2025 000 331 | F42D 3/00    | 11 2018 003 696 | G01T 1/20   |
| 10 2024 124 693 | H04R 1/44   | 10 2025 001 248 | B60L 53/80   | 11 2018 004 649 | H01R 13/64  |
| 10 2024 124 971 | B60K 1/00   | 10 2025 107 112 | B62D 25/00   | 11 2018 005 073 | H04B 1/3822 |
| 10 2024 125 151 | H01R 13/52  | 11 2008 001 299 | F02B 37/24   | 11 2018 005 613 | G01R 31/34  |
| 10 2024 125 303 | H01F 7/18   | 11 2008 002 447 | H02K 41/03   | 11 2019 001 195 | B01F 27/92  |
| 10 2024 126 155 | B65D 35/00  | 11 2009 005 330 | B60W 40/09   | 11 2019 002 165 | H01F 7/06   |
| 10 2024 126 965 | G06V 10/80  | 11 2011 104 458 | H05K 13/02   | 11 2019 005 380 | G01L 1/16   |
| 10 2024 127 038 | G08B 21/20  | 11 2011 104 533 | H02P 9/02    | 11 2019 006 398 | B23B 51/06  |
| 10 2024 127 772 | B60Q 1/26   | 11 2013 003 691 | B60W 20/40   | 11 2020 002 687 | H02M 1/00   |
| 10 2024 128 444 | G01N 29/07  | 11 2013 005 789 | B60S 1/40    | 11 2020 003 621 | G01J 3/04   |
| 10 2024 128 671 | H01H 9/54   | 11 2013 007 050 | H10D 30/60   | 11 2020 005 428 | F01D 17/16  |
| 10 2024 129 253 | G06Q 50/40  | 11 2014 001 314 | F02B 75/00   | 11 2020 006 480 | C04B 35/107 |
| 10 2024 129 524 | H01L 21/677 | 11 2014 002 169 | H04L 7/00    | 11 2020 006 670 | B60R 16/02  |
| 10 2024 129 565 | B60L 15/20  | 11 2014 004 645 | G01M 11/00   | 11 2020 007 148 | G05B 19/404 |
| 10 2024 129 603 | B60L 15/20  | 11 2014 006 689 | F04D 27/00   | 11 2020 007 249 | F01D 5/04   |
| 10 2024 130 951 | F02B 37/12  | 11 2014 007 307 | H04N 23/60   | 11 2021 000 584 | B25J 13/08  |
| 10 2024 131 148 | B65G 1/04   | 11 2015 001 614 | F04C 18/02   | 11 2021 001 083 | H01L 21/20  |
| 10 2024 131 944 | H01M 4/62   | 11 2015 002 213 | G01R 31/327  | 11 2021 001 516 | H04R 25/00  |

11 2021 002 636 F23R 3/16  
 11 2021 002 848 G06F 21/62  
 11 2021 005 867 H04L 9/16  
 11 2022 004 908 B22F 12/44  
 11 2022 006 135 H10F 77/12  
 11 2022 006 617 H01L 23/498  
 11 2023 000 421 H05B 45/10

**Zu Abschnitt 3a)2:**

(21) DE-AKZ (51) IPC-HKL  
 10 2018 219 270 H03K 17/00

**Zu Abschnitt 3a)3:**

In diesem Heft keine Veröffentlichung

**Zu Abschnitt 3a)4:**

(21) DE-AKZ (51) IPC-HKL  
 60 2005 053 100 H04S 7/00

**Zu Abschnitt 3a)5:**

In diesem Heft keine Veröffentlichung

**Zu Abschnitt 3a)8:**

(21) DE-AKZ (51) IPC-HKL  
 10 2020 204 118 G05B 19/18  
 10 2020 204 118 G05B 19/18

**Zu Abschnitt 3a)9:**

In diesem Heft keine Veröffentlichung

**Zu Abschnitt 3e, h:**

(21) DE-AKZ (51) IPC-HKL  
 10 2006 004 271 H01R 4/48  
 10 2006 004 569 B41F 33/02  
 10 2006 007 055 B24B 19/08  
 10 2006 061 270 H01M 50/50  
 10 2006 061 276 F02D 41/40  
 10 2007 005 690 F16F 9/36

10 2007 007 568 F02K 9/90  
 10 2007 008 864 F28F 3/02  
 10 2007 009 786 C03C 21/00  
 10 2008 008 268 F16F 9/508  
 10 2008 010 167 F16L 55/162  
 10 2008 011 165 B60R 21/0132  
 10 2009 008 577 G01R 33/06  
 10 2009 009 666 H01M 8/0606  
 10 2009 009 667 H01M 8/0429  
 10 2009 010 174 H10D 30/01  
 10 2009 055 269 H04N 23/70  
 10 2010 001 512 G05F 3/26  
 10 2010 001 581 B60W 40/02  
 10 2010 001 587 F24C 15/06  
 10 2010 001 752 F01P 3/20  
 10 2010 006 573 H03M 7/30  
 10 2010 006 574 H04W 56/00  
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 10 2010 063 274 H02M 1/08  
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 10 2011 012 476 B60L 1/00  
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 10 2013 001 940 H05G 2/00  
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 10 2013 101 939 F02B 67/08  
 10 2013 202 525 F21V 27/02  
 10 2013 203 175 G01K 7/42  
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 10 2014 002 943 F02D 13/00  
 10 2014 101 932 B23Q 17/22  
 10 2014 102 521 H03H 7/40  
 10 2014 102 567 C11D 17/00  
 10 2014 202 176 G01B 11/24  
 10 2014 202 521 B60L 50/60  
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 10 2015 101 647 A47L 9/02  
 10 2015 102 166 H02K 1/28  
 10 2015 201 944 E05B 47/04  
 10 2015 202 165 G01R 33/385  
 10 2015 203 168 H04W 48/16  
 10 2016 001 177 B60R 16/02  
 10 2016 103 157 H01J 37/26  
 10 2016 201 600 F02M 59/44  
 10 2016 201 931 B60J 5/04

10 2016 202 179 F16D 13/52  
 10 2017 102 179 A63B 23/035  
 10 2017 203 173 B60K 35/00  
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 10 2020 209 679 F16H 1/46  
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 11 2008 000 531 F16H 61/44  
 11 2011 100 175 F16H 57/04  
 11 2011 100 499 A61N 5/10  
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 11 2015 001 519 H01M 50/578  
 11 2015 001 939 H01M 50/578  
 11 2016 004 981 H10D 8/00  
 11 2017 001 176 F04C 2/344  
 50 2006 001 504 C07C 67/08  
 50 2006 001 651 F42B 7/08  
 50 2006 002 622 B62D 33/06  
 50 2006 011 535 B60J 10/00  
 50 2006 012 295 E01H 1/04  
 50 2006 013 225 G04B 19/28  
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 50 2007 002 304 A01F 15/08  
 50 2007 007 500 G21C 3/33  
 50 2007 010 300 B65D 39/16  
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 50 2007 013 302 F15B 13/00  
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 50 2007 013 646 G07C 9/00  
 50 2007 014 520 A61L 24/10  
 50 2007 014 521 G01B 17/02  
 50 2007 015 292 A61F 13/02  
 50 2007 015 648 B60T 13/575  
 50 2008 000 232 B60C 11/13  
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 50 2008 002 036 B60H 1/22  
 50 2008 003 243 B62D 35/02  
 50 2008 005 229 B60H 1/32  
 50 2008 005 305 F25B 30/02  
 50 2008 006 296 B41C 1/05  
 50 2008 008 304 H10K 99/00  
 50 2008 009 681 B01D 45/08  
 50 2008 010 522 A61F 5/00  
 50 2008 011 521 E05B 65/10

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| 50 2008 011 535 | A61F 2/90   | 50 2013 000 529 | G05D 23/20  | 50 2016 010 296 | F15B 15/14   |
| 50 2008 014 277 | B65G 1/137  | 50 2013 004 516 | G02B 26/10  | 50 2016 010 944 | B60R 16/03   |
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| 60 2006 047 231 | C08L 53/00  | 60 2007 049 645 | H04M 1/00   | 60 2009 006 581 | H04W 28/00  |
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| 60 2007 013 007 | C08G 63/85  | 60 2008 034 540 | B29C 49/28  | 60 2009 063 519 | G06F 21/30  |
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| 60 2007 019 661 | F16H 37/04  | 60 2008 039 020 | F01L 11/02  | 60 2009 064 998 | A61B 5/05   |
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| 60 2014 076 552 | B62D 23/00  | 60 2015 088 548 | A01N 25/28  | 60 2016 081 936 | G11C 7/10    |
| 60 2014 080 076 | G06K 7/00   | 60 2016 002 273 | B25B 27/00  | 60 2016 082 541 | A61P 9/10    |
| 60 2014 082 098 | H04N 1/00   | 60 2016 003 009 | G01D 5/241  | 60 2016 085 096 | G01M 11/02   |
| 60 2014 090 949 | A61K 31/352 | 60 2016 004 647 | A61B 17/072 | 60 2016 087 949 | E21B 47/00   |
| 60 2015 000 012 | G01P 15/18  | 60 2016 007 023 | F24F 11/30  | 60 2016 088 034 | G01T 1/20    |
| 60 2015 000 081 | B62D 1/184  | 60 2016 009 002 | D06B 17/06  | 60 2016 089 554 | E21B 25/02   |
| 60 2015 001 017 | A47J 27/08  | 60 2016 009 935 | A23L 2/385  | 60 2017 000 084 | A47B 1/02    |
| 60 2015 004 036 | H04L 5/00   | 60 2016 012 546 | A61Q 19/00  | 60 2017 004 033 | B05D 3/06    |
| 60 2015 004 933 | F03D 1/06   | 60 2016 012 553 | A41D 25/14  | 60 2017 006 006 | F03D 80/00   |
| 60 2015 006 084 | A24F 23/02  | 60 2016 012 942 | B25J 15/04  | 60 2017 007 033 | C12N 9/12    |
| 60 2015 007 015 | H10H 20/857 | 60 2016 013 021 | A61B 90/00  | 60 2017 009 647 | B29L 12/00   |
| 60 2015 009 083 | E02D 5/28   | 60 2016 016 272 | H04L 65/00  | 60 2017 010 525 | C08L 23/08   |
| 60 2015 009 550 | B65H 54/10  | 60 2016 017 936 | B60C 11/03  | 60 2017 014 099 | H04R 19/04   |

60 2017 014 548 B60Q 1/38  
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 60 2017 030 986 B42D 25/36  
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 60 2017 037 033 A61K 38/17  
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 60 2017 039 082 A61B 17/072  
 60 2017 039 525 C23C 16/56  
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 60 2021 018 648 B01D 33/067  
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 60 2021 024 547 G01J 3/51  
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### Zu Abschnitt 4a)1:

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| 20 2018 007 018 | A63B 24/00   |
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| 20 2019 006 173 | B01D 39/02   |
| 20 2019 006 174 | A61F 9/009   |
| 20 2019 006 176 | B65B 13/08   |

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| 20 2024 104 176 | F21S 2/00   | 20 2025 002 561 | B65D 51/02  | 20 2025 104 780 | B65B 1/04    |
| 20 2024 104 194 | A01K 1/00   | 20 2025 002 562 | A61B 5/103  | 20 2025 104 792 | G01V 11/00   |
| 20 2024 104 201 | E06B 9/68   | 20 2025 002 572 | A47J 37/07  | 20 2025 104 911 | F21S 41/25   |
| 20 2024 104 204 | H01M 8/0202 | 20 2025 002 587 | G08G 7/00   | 20 2025 104 912 | F21S 41/25   |
| 20 2024 104 206 | B01D 25/164 | 20 2025 002 615 | A61G 9/00   | 20 2025 104 929 | G03B 17/56   |
| 20 2024 104 212 | B23Q 3/06   | 20 2025 002 643 | A63B 21/02  | 20 2025 104 930 | A47C 27/00   |
| 20 2024 104 215 | B65H 75/14  | 20 2025 002 644 | A01G 25/00  | 20 2025 105 068 | H01M 4/04    |
| 20 2024 104 227 | D04B 1/14   | 20 2025 002 672 | A01K 63/00  | 20 2025 105 130 | H01M 50/204  |
| 20 2024 104 812 | F21V 31/00  | 20 2025 002 686 | E05B 49/00  | 20 2025 105 186 | E05B 3/00    |
| 20 2024 105 390 | C08L 101/12 | 20 2025 002 697 | A01K 15/02  | 20 2025 105 189 | B65D 51/24   |
| 20 2024 105 702 | B60N 3/10   | 20 2025 002 703 | B41J 3/407  | 20 2025 105 202 | F24F 13/22   |
| 20 2024 105 932 | F04D 33/00  | 20 2025 002 733 | B08B 9/02   | 20 2025 105 212 | H02G 3/04    |
| 20 2025 000 240 | B42D 15/00  | 20 2025 002 741 | E03C 1/26   | 20 2025 105 270 | G02B 6/36    |
| 20 2025 000 843 | G01R 15/00  | 20 2025 002 816 | B60K 1/02   | 20 2025 105 381 | F16K 7/20    |
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| 20 2025 001 562 | A61K 8/92   | 20 2025 002 884 | H02N 11/00  | 20 2025 105 410 | H01M 10/6568 |
| 20 2025 001 568 | A61K 8/02   | 20 2025 002 886 | F25B 30/00  | 20 2025 105 436 | A41B 11/02   |
| 20 2025 001 634 | B65D 85/00  | 20 2025 002 920 | B62H 5/00   | 20 2025 105 441 | B65G 65/02   |
| 20 2025 001 636 | G08B 25/10  | 20 2025 002 925 | B32B 13/02  | 20 2025 105 465 | G07C 11/00   |
| 20 2025 001 669 | G06Q 10/02  | 20 2025 002 926 | A47B 77/02  | 20 2025 105 477 | F24F 7/00    |
| 20 2025 001 770 | F41G 1/54   | 20 2025 002 937 | H02J 7/14   | 20 2025 105 495 | H01M 50/566  |
| 20 2025 001 794 | A63F 3/02   | 20 2025 002 963 | F16L 55/10  | 20 2025 105 509 | A45D 34/00   |
| 20 2025 001 927 | B66C 23/18  | 20 2025 002 974 | B62D 35/00  | 20 2025 105 516 | A47C 17/04   |
| 20 2025 002 016 | A41B 11/00  | 20 2025 002 977 | B26B 3/08   | 20 2025 105 519 | B60R 22/30   |
| 20 2025 002 027 | F03D 9/34   | 20 2025 003 021 | B65D 45/30  | 20 2025 105 522 | B65D 19/18   |
| 20 2025 002 119 | A47B 61/00  | 20 2025 003 028 | E01C 5/06   | 20 2025 105 530 | A47G 29/14   |
| 20 2025 002 127 | B60Q 1/12   | 20 2025 003 142 | A24F 15/01  | 20 2025 105 550 | B29C 64/232  |
| 20 2025 002 176 | A47L 5/00   | 20 2025 103 202 | A47G 27/02  | 20 2025 105 555 | A41D 13/05   |
| 20 2025 002 207 | H02S 20/21  | 20 2025 103 437 | G06N 3/006  | 20 2025 105 605 | B65C 3/02    |
| 20 2025 002 222 | G06F 40/30  | 20 2025 103 491 | G01B 11/25  | 20 2025 105 628 | B65D 81/24   |
| 20 2025 002 236 | A61H 7/00   | 20 2025 103 528 | A44C 13/00  | 20 2025 105 637 | E04G 21/10   |
| 20 2025 002 299 | E05B 67/16  | 20 2025 103 637 | F16L 55/027 | 20 2025 105 656 | B60D 1/54    |
| 20 2025 002 331 | A45C 13/26  | 20 2025 103 639 | F16K 1/34   | 20 2025 105 742 | G01N 27/22   |
| 20 2025 002 402 | A01D 34/82  | 20 2025 103 886 | B60R 21/015 | 20 2025 105 744 | B65G 15/30   |
| 20 2025 002 411 | E04B 1/343  | 20 2025 103 974 | B62J 15/00  | 20 2025 105 748 | B65G 45/10   |
| 20 2025 002 412 | G09B 19/00  | 20 2025 104 219 | A44B 11/00  | 20 2025 105 751 | H01L 23/48   |
| 20 2025 002 415 | A47G 5/00   | 20 2025 104 267 | B65D 3/06   | 20 2025 105 752 | H05K 5/02    |
| 20 2025 002 418 | A43B 7/1469 | 20 2025 104 512 | A61K 36/06  | 20 2025 105 753 | G08B 13/19   |
| 20 2025 002 419 | B65D 51/24  | 20 2025 104 513 | E03C 1/044  | 20 2025 105 757 | B67D 1/00    |
| 20 2025 002 420 | B67B 5/00   | 20 2025 104 514 | A61K 38/00  | 20 2025 105 769 | F16L 59/00   |
| 20 2025 002 429 | A01G 7/00   | 20 2025 104 516 | A61K 38/00  | 20 2025 105 775 | G02C 7/10    |
| 20 2025 002 459 | F21S 10/02  | 20 2025 104 517 | A61K 38/00  | 20 2025 105 778 | G02B 13/02   |
| 20 2025 002 461 | G06F 8/00   | 20 2025 104 520 | A61K 38/00  | 20 2025 105 781 | B65D 33/16   |
| 20 2025 002 469 | A01K 47/06  | 20 2025 104 526 | A23J 3/14   | 20 2025 105 782 | B65D 33/16   |
| 20 2025 002 482 | A61K 33/30  | 20 2025 104 541 | B23B 49/04  | 20 2025 105 783 | A45D 34/00   |
| 20 2025 002 484 | A47C 31/02  | 20 2025 104 548 | F16M 11/04  | 20 2025 105 798 | H01M 50/15   |
| 20 2025 002 555 | F21S 6/00   | 20 2025 104 738 | B25B 19/00  | 20 2025 105 800 | F24F 11/00   |

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### Zu Abschnitt 4a)8:

In diesem Heft keine Veröffentlichung

### Zu Abschnitt 4a)9:

In diesem Heft keine Veröffentlichung

### Zu Abschnitt 4e, h:

(21) DE-AKZ (51) IPC-HKL  
 20 2019 106 738 B60R 13/04

### Zu Abschnitt 5a:

(21) EP-VN (51) IPC-HKL  
 4633351 A01C 1/02  
 4633352 A01C 7/10  
 4633353 A01C 7/10  
 4633354 A01D 34/00  
 4633355 A01D 46/30

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| 4633356 | A01D 46/30  | 4633404 | A24F 40/42  | 4633452 | A61B 5/00    |
| 4633357 | A01G 7/04   | 4633405 | A24F 40/42  | 4633453 | A61B 5/00    |
| 4633358 | A01G 9/029  | 4633406 | A24F 40/42  | 4633454 | A61B 5/00    |
| 4633359 | A01G 24/22  | 4633407 | A24F 40/44  | 4633455 | A61B 5/00    |
| 4633360 | A01H 1/00   | 4633408 | A24F 40/44  | 4633456 | A61B 5/00    |
| 4633361 | A01H 1/04   | 4633409 | A24F 40/46  | 4633457 | A61B 5/00    |
| 4633362 | A01H 1/06   | 4633410 | A24F 40/465 | 4633458 | A61B 5/00    |
| 4633363 | A01J 25/00  | 4633411 | A24F 40/485 | 4633459 | A61B 5/021   |
| 4633364 | A01K 11/00  | 4633412 | A24F 40/90  | 4633460 | A61B 5/0215  |
| 4633365 | A01K 11/00  | 4633413 | A24F 42/20  | 4633461 | A61B 5/024   |
| 4633366 | A01K 63/04  | 4633414 | A24F 42/20  | 4633462 | A61B 5/145   |
| 4633367 | A01L 11/00  | 4633415 | A24F 47/00  | 4633463 | A61B 5/1468  |
| 4633368 | A01M 1/02   | 4633416 | A41C 1/10   | 4633464 | A61B 5/1468  |
| 4633369 | A01M 7/00   | 4633417 | A42B 3/04   | 4633465 | A61B 5/1468  |
| 4633370 | A01N 25/32  | 4633418 | A43B 1/00   | 4633466 | A61B 5/1468  |
| 4633371 | A01N 37/36  | 4633419 | A43B 3/44   | 4633467 | A61B 5/16    |
| 4633372 | A01N 63/32  | 4633420 | A43D 3/14   | 4633468 | A61B 5/265   |
| 4633373 | A21C 9/08   | 4633421 | A45D 20/50  | 4633469 | A61B 5/266   |
| 4633374 | A22C 17/00  | 4633422 | A45D 20/50  | 4633470 | A61B 5/367   |
| 4633375 | A23C 9/123  | 4633423 | A45D 34/04  | 4633471 | A61B 6/03    |
| 4633376 | A23C 11/10  | 4633424 | A45D 42/10  | 4633472 | A61B 6/04    |
| 4633377 | A23C 20/02  | 4633425 | A47B 5/04   | 4633473 | A61B 6/06    |
| 4633378 | A23G 1/36   | 4633426 | A47B 88/45  | 4633474 | A61B 7/00    |
| 4633379 | A23J 3/22   | 4633427 | A47B 88/919 | 4633475 | A61B 7/04    |
| 4633380 | A23K 10/18  | 4633428 | A47D 13/02  | 4633476 | A61B 8/00    |
| 4633381 | A23K 20/10  | 4633429 | A47G 19/18  | 4633477 | A61B 8/00    |
| 4633382 | A23L 2/38   | 4633430 | A47J 31/40  | 4633478 | A61B 8/00    |
| 4633383 | A23L 2/60   | 4633431 | A47J 31/42  | 4633479 | A61B 8/08    |
| 4633384 | A23L 5/10   | 4633432 | A47J 43/044 | 4633480 | A61B 8/08    |
| 4633385 | A23L 5/20   | 4633433 | A47J 43/06  | 4633481 | A61B 10/02   |
| 4633386 | A23L 5/44   | 4633434 | A47J 47/18  | 4633482 | A61B 17/00   |
| 4633387 | A23L 9/20   | 4633435 | A47K 10/04  | 4633483 | A61B 17/00   |
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| 4633390 | A23L 33/00  | 4633438 | A47L 15/42  | 4633486 | A61B 17/068  |
| 4633391 | A23L 33/115 | 4633439 | A61B 1/00   | 4633487 | A61B 17/12   |
| 4633392 | A23L 33/135 | 4633440 | A61B 1/00   | 4633488 | A61B 17/12   |
| 4633393 | A24D 1/20   | 4633441 | A61B 1/01   | 4633489 | A61B 17/16   |
| 4633394 | A24D 1/20   | 4633442 | A61B 1/015  | 4633490 | A61B 17/22   |
| 4633395 | A24D 3/17   | 4633443 | A61B 1/06   | 4633491 | A61B 17/22   |
| 4633396 | A24F 40/10  | 4633444 | A61B 1/06   | 4633492 | A61B 17/29   |
| 4633397 | A24F 40/30  | 4633445 | A61B 1/247  | 4633493 | A61B 17/3207 |
| 4633398 | A24F 40/40  | 4633446 | A61B 3/00   | 4633494 | A61B 17/42   |
| 4633399 | A24F 40/40  | 4633447 | A61B 5/00   | 4633495 | A61B 17/68   |
| 4633400 | A24F 40/40  | 4633448 | A61B 5/00   | 4633496 | A61B 17/70   |
| 4633401 | A24F 40/40  | 4633449 | A61B 5/00   | 4633497 | A61B 17/80   |
| 4633402 | A24F 40/42  | 4633450 | A61B 5/00   | 4633498 | A61B 17/86   |
| 4633403 | A24F 40/42  | 4633451 | A61B 5/00   | 4633499 | A61B 18/12   |

|         |            |         |            |         |              |
|---------|------------|---------|------------|---------|--------------|
| 4633500 | A61B 18/12 | 4633548 | A61F 2/89  | 4633596 | A61K 8/64    |
| 4633501 | A61B 18/12 | 4633549 | A61F 5/01  | 4633597 | A61K 8/73    |
| 4633502 | A61B 18/14 | 4633550 | A61F 5/01  | 4633598 | A61K 8/9706  |
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| 4633508 | A61B 34/10 | 4633556 | A61F 9/007 | 4633604 | A61K 9/127   |
| 4633509 | A61B 34/10 | 4633557 | A61F 9/007 | 4633605 | A61K 9/14    |
| 4633510 | A61B 34/20 | 4633558 | A61F 9/007 | 4633606 | A61K 9/16    |
| 4633511 | A61B 34/20 | 4633559 | A61F 9/007 | 4633607 | A61K 9/16    |
| 4633512 | A61B 34/20 | 4633560 | A61F 9/007 | 4633608 | A61K 9/16    |
| 4633513 | A61B 34/20 | 4633561 | A61F 9/007 | 4633609 | A61K 9/19    |
| 4633514 | A61B 34/20 | 4633562 | A61F 9/007 | 4633610 | A61K 9/20    |
| 4633515 | A61B 34/30 | 4633563 | A61F 9/008 | 4633611 | A61K 9/20    |
| 4633516 | A61B 34/37 | 4633564 | A61F 9/008 | 4633612 | A61K 9/20    |
| 4633517 | A61B 34/37 | 4633565 | A61F 9/009 | 4633613 | A61K 9/20    |
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| 4633519 | A61B 90/00 | 4633567 | A61F 13/08 | 4633615 | A61K 9/28    |
| 4633520 | A61B 90/00 | 4633568 | A61F 13/49 | 4633616 | A61K 9/28    |
| 4633521 | A61B 90/00 | 4633569 | A61G 1/00  | 4633617 | A61K 31/00   |
| 4633522 | A61B 90/00 | 4633570 | A61G 10/02 | 4633618 | A61K 31/045  |
| 4633523 | A61B 90/11 | 4633571 | A61G 13/12 | 4633619 | A61K 31/05   |
| 4633524 | A61B 90/98 | 4633572 | A61H 1/02  | 4633620 | A61K 31/18   |
| 4633525 | A61C 5/55  | 4633573 | A61H 9/00  | 4633621 | A61K 31/341  |
| 4633526 | A61C 7/00  | 4633574 | A61H 23/02 | 4633622 | A61K 31/343  |
| 4633527 | A61C 7/00  | 4633575 | A61J 1/20  | 4633623 | A61K 31/352  |
| 4633528 | A61C 7/00  | 4633576 | A61K 8/02  | 4633624 | A61K 31/352  |
| 4633529 | A61C 7/00  | 4633577 | A61K 8/02  | 4633625 | A61K 31/4045 |
| 4633530 | A61C 7/08  | 4633578 | A61K 8/02  | 4633626 | A61K 31/405  |
| 4633531 | A61C 19/06 | 4633579 | A61K 8/02  | 4633627 | A61K 31/405  |
| 4633532 | A61F 2/06  | 4633580 | A61K 8/02  | 4633628 | A61K 31/407  |
| 4633533 | A61F 2/06  | 4633581 | A61K 8/06  | 4633629 | A61K 31/4166 |
| 4633534 | A61F 2/24  | 4633582 | A61K 8/06  | 4633630 | A61K 31/4196 |
| 4633535 | A61F 2/24  | 4633583 | A61K 8/19  | 4633631 | A61K 31/426  |
| 4633536 | A61F 2/24  | 4633584 | A61K 8/23  | 4633632 | A61K 31/437  |
| 4633537 | A61F 2/24  | 4633585 | A61K 8/25  | 4633633 | A61K 31/455  |
| 4633538 | A61F 2/24  | 4633586 | A61K 8/26  | 4633634 | A61K 31/4745 |
| 4633539 | A61F 2/24  | 4633587 | A61K 8/29  | 4633635 | A61K 31/515  |
| 4633540 | A61F 2/24  | 4633588 | A61K 8/34  | 4633636 | A61K 31/519  |
| 4633541 | A61F 2/24  | 4633589 | A61K 8/34  | 4633637 | A61K 31/52   |
| 4633542 | A61F 2/30  | 4633590 | A61K 8/34  | 4633638 | A61K 31/5375 |
| 4633543 | A61F 2/52  | 4633591 | A61K 8/36  | 4633639 | A61K 31/55   |
| 4633544 | A61F 2/64  | 4633592 | A61K 8/36  | 4633640 | A61K 31/609  |
| 4633545 | A61F 2/64  | 4633593 | A61K 8/37  | 4633641 | A61K 31/65   |
| 4633546 | A61F 2/66  | 4633594 | A61K 8/49  | 4633642 | A61K 31/685  |
| 4633547 | A61F 2/848 | 4633595 | A61K 8/49  | 4633643 | A61K 31/69   |

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| 4633644 | A61K 31/7068 | 4633692 | A61M 1/16  | 4633740 | A61P 35/00  |
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| 4633649 | A61K 35/17   | 4633697 | A61M 5/178 | 4633745 | A63B 21/16  |
| 4633650 | A61K 35/17   | 4633698 | A61M 5/20  | 4633746 | A63B 21/16  |
| 4633651 | A61K 35/28   | 4633699 | A61M 5/20  | 4633747 | A63B 24/00  |
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| 4633654 | A61K 36/38   | 4633702 | A61M 5/315 | 4633750 | A63B 67/02  |
| 4633655 | A61K 38/00   | 4633703 | A61M 5/32  | 4633751 | A63C 5/06   |
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| 4633658 | A61K 38/08   | 4633706 | A61M 16/00 | 4633754 | A63D 15/00  |
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| 4633667 | A61K 39/02   | 4633715 | A61M 25/09 | 4633763 | B01D 35/30  |
| 4633668 | A61K 39/02   | 4633716 | A61M 25/09 | 4633764 | B01D 46/02  |
| 4633669 | A61K 39/08   | 4633717 | A61M 31/00 | 4633765 | B01D 46/20  |
| 4633670 | A61K 39/12   | 4633718 | A61M 31/00 | 4633766 | B01D 53/00  |
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| 4633674 | A61K 39/145  | 4633722 | A61M 39/10 | 4633770 | B01D 53/04  |
| 4633675 | A61K 39/215  | 4633723 | A61M 39/12 | 4633771 | B01D 53/04  |
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| 4633677 | A61K 45/00   | 4633725 | A61N 1/04  | 4633773 | B01D 53/14  |
| 4633678 | A61K 47/30   | 4633726 | A61N 1/04  | 4633774 | B01D 53/14  |
| 4633679 | A61K 47/54   | 4633727 | A61N 1/05  | 4633775 | B01D 53/14  |
| 4633680 | A61K 47/64   | 4633728 | A61N 1/05  | 4633776 | B01D 53/14  |
| 4633681 | A61K 47/68   | 4633729 | A61N 1/37  | 4633777 | B01D 53/22  |
| 4633682 | A61K 49/10   | 4633730 | A61N 1/372 | 4633778 | B01D 53/94  |
| 4633683 | A61K 51/04   | 4633731 | A61N 1/375 | 4633779 | B01D 61/50  |
| 4633684 | A61K 51/10   | 4633732 | A61P 3/00  | 4633780 | B01D 63/08  |
| 4633685 | A61L 2/10    | 4633733 | A61P 17/18 | 4633781 | B01D 67/00  |
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| 4633691 | A61M 1/06    | 4633739 | A61P 35/00 | 4633787 | B01J 8/02   |

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| 4633788 | B01J 8/02   | 4633836 | B09B 1/00   | 4633884 | B26B 3/02   |
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| 4633790 | B01J 13/14  | 4633838 | B09B 3/40   | 4633886 | B26B 21/08  |
| 4633791 | B01J 13/14  | 4633839 | B21B 15/00  | 4633887 | B26B 21/60  |
| 4633792 | B01J 13/16  | 4633840 | B22C 7/02   | 4633888 | B28B 1/00   |
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| 4633795 | B01J 19/00  | 4633843 | B22D 11/108 | 4633891 | B29B 17/00  |
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| 4633799 | B01J 21/04  | 4633847 | B22F 10/28  | 4633895 | B29B 17/02  |
| 4633800 | B01J 21/06  | 4633848 | B22F 10/28  | 4633896 | B29B 17/02  |
| 4633801 | B01J 21/06  | 4633849 | B22F 10/28  | 4633897 | B29B 17/04  |
| 4633802 | B01J 21/12  | 4633850 | B22F 10/366 | 4633898 | B29C 31/00  |
| 4633803 | B01J 29/08  | 4633851 | B22F 10/366 | 4633899 | B29C 31/02  |
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| 4633805 | B01J 31/02  | 4633853 | B22F 12/52  | 4633901 | B29C 33/40  |
| 4633806 | B01L 3/00   | 4633854 | B22F 12/67  | 4633902 | B29C 33/40  |
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| 4633808 | B01L 3/00   | 4633856 | B23H 3/00   | 4633904 | B29C 33/56  |
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| 4633810 | B01L 3/00   | 4633858 | B23K 9/073  | 4633906 | B29C 44/56  |
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| 4633812 | B01L 3/00   | 4633860 | B23K 26/073 | 4633908 | B29C 45/00  |
| 4633813 | B02C 17/22  | 4633861 | B23K 26/20  | 4633909 | B29C 45/14  |
| 4633814 | B03C 1/247  | 4633862 | B23P 19/06  | 4633910 | B29C 45/14  |
| 4633815 | B03C 11/00  | 4633863 | B24B 9/10   | 4633911 | B29C 45/14  |
| 4633816 | B04B 7/02   | 4633864 | B24D 3/28   | 4633912 | B29C 45/76  |
| 4633817 | B05B 3/04   | 4633865 | B25B 23/14  | 4633913 | B29C 48/08  |
| 4633818 | B05B 5/03   | 4633866 | B25F 5/00   | 4633914 | B29C 48/08  |
| 4633819 | B05B 7/24   | 4633867 | B25H 3/00   | 4633915 | B29C 48/30  |
| 4633820 | B05B 11/00  | 4633868 | B25J 9/00   | 4633916 | B29C 51/06  |
| 4633821 | B05B 11/00  | 4633869 | B25J 9/00   | 4633917 | B29C 53/40  |
| 4633822 | B05B 11/10  | 4633870 | B25J 9/00   | 4633918 | B29C 64/106 |
| 4633823 | B05B 15/40  | 4633871 | B25J 9/00   | 4633919 | B29C 64/106 |
| 4633824 | B05B 15/534 | 4633872 | B25J 9/08   | 4633920 | B29C 64/118 |
| 4633825 | B05B 16/20  | 4633873 | B25J 9/12   | 4633921 | B29C 64/118 |
| 4633826 | B05B 17/06  | 4633874 | B25J 9/16   | 4633922 | B29C 64/153 |
| 4633827 | B05C 1/08   | 4633875 | B25J 9/16   | 4633923 | B29C 64/386 |
| 4633828 | B05D 1/00   | 4633876 | B25J 9/16   | 4633924 | B29C 64/386 |
| 4633829 | B05D 1/02   | 4633877 | B25J 9/16   | 4633925 | B29C 65/18  |
| 4633830 | B05D 3/02   | 4633878 | B25J 9/16   | 4633926 | B29C 65/36  |
| 4633831 | B05D 3/02   | 4633879 | B25J 13/08  | 4633927 | B29C 67/00  |
| 4633832 | B05D 3/02   | 4633880 | B25J 13/08  | 4633928 | B29C 67/00  |
| 4633833 | B05D 3/02   | 4633881 | B25J 15/00  | 4633929 | B29D 11/00  |
| 4633834 | B06B 1/06   | 4633882 | B25J 15/06  | 4633930 | B29D 11/00  |
| 4633835 | B07B 1/22   | 4633883 | B26B 3/02   | 4633931 | B29D 30/28  |

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| 4633932 | B31B 70/02  | 4633980 | B60H 1/00   | 4634028 | B60W 60/00 |
| 4633933 | B31F 1/00   | 4633981 | B60H 1/00   | 4634029 | B60W 60/00 |
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| 4633935 | B32B 1/08   | 4633983 | B60J 10/235 | 4634031 | B61D 25/00 |
| 4633936 | B32B 1/08   | 4633984 | B60K 6/387  | 4634032 | B61L 15/00 |
| 4633937 | B32B 1/08   | 4633985 | B60K 6/48   | 4634033 | B61L 27/60 |
| 4633938 | B32B 1/08   | 4633986 | B60K 17/22  | 4634034 | B62B 7/00  |
| 4633939 | B32B 1/08   | 4633987 | B60K 35/00  | 4634035 | B62D 1/06  |
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| 4633941 | B32B 3/10   | 4633989 | B60K 35/23  | 4634037 | B62D 7/15  |
| 4633942 | B32B 7/022  | 4633990 | B60K 37/10  | 4634038 | B62D 7/15  |
| 4633943 | B32B 7/027  | 4633991 | B60L 3/00   | 4634040 | B62D 21/02 |
| 4633944 | B32B 15/01  | 4633992 | B60L 3/06   | 4634041 | B62D 21/11 |
| 4633945 | B32B 17/10  | 4633993 | B60L 7/18   | 4634042 | B62D 25/20 |
| 4633946 | B32B 17/10  | 4633994 | B60L 50/60  | 4634043 | B62D 25/20 |
| 4633947 | B32B 17/10  | 4633995 | B60L 53/14  | 4634044 | B62D 61/00 |
| 4633948 | B32B 27/06  | 4633996 | B60L 53/24  | 4634045 | B62D 65/02 |
| 4633949 | B32B 27/32  | 4633997 | B60L 58/24  | 4634046 | B62H 5/06  |
| 4633950 | B33Y 10/00  | 4633998 | B60L 58/26  | 4634047 | B62J 50/20 |
| 4633951 | B33Y 70/00  | 4633999 | B60L 58/32  | 4634048 | B63B 1/24  |
| 4633952 | B33Y 80/00  | 4634000 | B60N 2/07   | 4634049 | B63B 1/28  |
| 4633953 | B41J 2/08   | 4634001 | B60N 2/28   | 4634050 | B63B 1/28  |
| 4633954 | B41J 2/085  | 4634002 | B60N 2/427  | 4634051 | B63B 23/70 |
| 4633955 | B41J 2/175  | 4634003 | B60N 2/60   | 4634052 | B63H 9/061 |
| 4633956 | B41J 2/175  | 4634004 | B60N 2/70   | 4634053 | B64C 11/06 |
| 4633957 | B42D 25/324 | 4634005 | B60P 1/43   | 4634054 | B64C 11/06 |
| 4633958 | B60B 7/02   | 4634006 | B60P 7/08   | 4634055 | B64C 29/00 |
| 4633959 | B60C 1/00   | 4634007 | B60R 1/12   | 4634056 | B64D 1/16  |
| 4633960 | B60C 1/00   | 4634008 | B60R 13/04  | 4634057 | B64D 11/06 |
| 4633961 | B60C 1/00   | 4634009 | B60R 21/013 | 4634058 | B64D 15/08 |
| 4633962 | B60C 1/00   | 4634010 | B60S 1/04   | 4634059 | B64D 27/02 |
| 4633963 | B60C 7/14   | 4634011 | B60S 1/04   | 4634060 | B64D 27/24 |
| 4633964 | B60C 9/00   | 4634012 | B60S 1/38   | 4634061 | B64D 27/35 |
| 4633965 | B60C 9/18   | 4634013 | B60S 1/40   | 4634062 | B64F 1/32  |
| 4633966 | B60C 9/18   | 4634014 | B60S 1/40   | 4634063 | B65B 69/00 |
| 4633967 | B60C 9/18   | 4634015 | B60S 1/40   | 4634064 | B65C 9/18  |
| 4633968 | B60C 9/18   | 4634016 | B60S 1/52   | 4634065 | B65D 1/34  |
| 4633969 | B60C 9/18   | 4634017 | B60S 1/56   | 4634066 | B65D 5/02  |
| 4633970 | B60C 9/18   | 4634018 | B60S 3/04   | 4634067 | B65D 5/02  |
| 4633971 | B60C 9/18   | 4634019 | B60T 1/10   | 4634068 | B65D 5/20  |
| 4633972 | B60C 9/18   | 4634020 | B60T 7/06   | 4634069 | B65D 33/25 |
| 4633973 | B60C 11/11  | 4634021 | B60T 13/38  | 4634070 | B65D 41/34 |
| 4633974 | B60C 11/11  | 4634022 | B60W 10/08  | 4634071 | B65D 43/02 |
| 4633975 | B60C 23/04  | 4634023 | B60W 30/09  | 4634072 | B65D 47/08 |
| 4633976 | B60C 23/04  | 4634024 | B60W 40/08  | 4634073 | B65D 47/20 |
| 4633977 | B60C 23/04  | 4634025 | B60W 50/00  | 4634074 | B65D 65/10 |
| 4633978 | B60C 25/05  | 4634026 | B60W 50/02  | 4634075 | B65D 73/00 |
| 4633979 | B60G 13/00  | 4634027 | B60W 50/14  | 4634076 | B65D 75/00 |

|         |             |         |             |         |             |
|---------|-------------|---------|-------------|---------|-------------|
| 4634077 | B65D 75/08  | 4634125 | C03C 3/085  | 4634173 | C07D 405/12 |
| 4634078 | B65D 75/36  | 4634126 | C03C 27/08  | 4634174 | C07D 405/14 |
| 4634079 | B65D 75/58  | 4634127 | C04B 5/06   | 4634175 | C07D 413/12 |
| 4634080 | B65D 75/68  | 4634128 | C04B 14/20  | 4634176 | C07D 453/02 |
| 4634081 | B65D 81/38  | 4634129 | C04B 24/24  | 4634177 | C07D 471/02 |
| 4634082 | B65G 1/04   | 4634130 | C04B 28/02  | 4634178 | C07D 471/04 |
| 4634083 | B65G 1/04   | 4634131 | C04B 28/08  | 4634179 | C07D 471/04 |
| 4634084 | B65G 1/04   | 4634132 | C04B 35/053 | 4634180 | C07D 471/04 |
| 4634085 | B65G 1/04   | 4634133 | C04B 35/10  | 4634181 | C07D 471/04 |
| 4634086 | B65G 1/04   | 4634134 | C04B 35/185 | 4634182 | C07D 471/04 |
| 4634087 | B65G 1/137  | 4634135 | C04B 35/626 | 4634183 | C07D 471/04 |
| 4634088 | B65G 1/137  | 4634136 | C04B 41/52  | 4634184 | C07D 471/16 |
| 4634089 | B65G 13/10  | 4634137 | C05C 9/00   | 4634185 | C07D 473/00 |
| 4634090 | B65G 21/20  | 4634138 | C05F 3/00   | 4634186 | C07D 473/16 |
| 4634091 | B65G 47/82  | 4634139 | C05F 11/10  | 4634187 | C07D 487/04 |
| 4634092 | B65G 53/04  | 4634140 | C05G 5/30   | 4634188 | C07D 487/04 |
| 4634093 | B65G 61/00  | 4634141 | C07C 1/04   | 4634189 | C07D 487/04 |
| 4634094 | B65G 65/44  | 4634142 | C07C 4/06   | 4634190 | C07D 487/04 |
| 4634095 | B65G 67/24  | 4634143 | C07C 5/48   | 4634191 | C07D 487/04 |
| 4634096 | B65G 67/48  | 4634144 | C07C 7/00   | 4634192 | C07D 487/04 |
| 4634097 | B65H 3/12   | 4634145 | C07C 7/04   | 4634193 | C07D 487/04 |
| 4634098 | B65H 18/22  | 4634146 | C07C 11/04  | 4634194 | C07D 487/04 |
| 4634099 | B65H 65/00  | 4634147 | C07C 29/70  | 4634195 | C07D 495/04 |
| 4634100 | B66B 5/00   | 4634148 | C07C 45/50  | 4634196 | C07F 7/18   |
| 4634101 | B66B 5/02   | 4634149 | C07C 51/44  | 4634197 | C07F 7/18   |
| 4634102 | B66B 7/02   | 4634150 | C07C 67/04  | 4634198 | C07H 1/00   |
| 4634103 | B66B 13/26  | 4634151 | C07C 263/14 | 4634199 | C07H 21/02  |
| 4634104 | B66C 1/10   | 4634152 | C07C 311/09 | 4634200 | C07H 21/02  |
| 4634105 | B66C 1/42   | 4634153 | C07C 323/52 | 4634201 | C07K 1/22   |
| 4634106 | B66D 1/38   | 4634154 | C07C 407/00 | 4634202 | C07K 5/02   |
| 4634107 | B66F 9/06   | 4634155 | C07D 209/14 | 4634203 | C07K 7/06   |
| 4634108 | C01B 3/26   | 4634156 | C07D 209/42 | 4634204 | C07K 7/08   |
| 4634109 | C01B 3/38   | 4634157 | C07D 209/48 | 4634205 | C07K 7/54   |
| 4634110 | C01B 3/38   | 4634158 | C07D 213/72 | 4634206 | C07K 14/005 |
| 4634111 | C01B 3/38   | 4634159 | C07D 231/14 | 4634207 | C07K 14/07  |
| 4634112 | C01B 21/086 | 4634160 | C07D 231/56 | 4634208 | C07K 14/31  |
| 4634113 | C01B 21/086 | 4634161 | C07D 235/28 | 4634209 | C07K 14/47  |
| 4634114 | C01B 39/02  | 4634162 | C07D 249/18 | 4634210 | C07K 14/49  |
| 4634115 | C01F 7/02   | 4634163 | C07D 265/16 | 4634211 | C07K 14/54  |
| 4634116 | C01G 31/00  | 4634164 | C07D 307/46 | 4634212 | C07K 14/62  |
| 4634117 | C01G 33/00  | 4634165 | C07D 307/46 | 4634213 | C07K 14/705 |
| 4634118 | C01G 41/00  | 4634166 | C07D 307/91 | 4634214 | C07K 14/705 |
| 4634119 | C01G 53/00  | 4634167 | C07D 401/04 | 4634215 | C07K 14/725 |
| 4634120 | C01G 53/00  | 4634168 | C07D 401/14 | 4634216 | C07K 14/725 |
| 4634121 | C02F 1/00   | 4634169 | C07D 401/14 | 4634217 | C07K 14/79  |
| 4634122 | C02F 1/461  | 4634170 | C07D 401/14 | 4634218 | C07K 14/79  |
| 4634123 | C02F 1/58   | 4634171 | C07D 403/12 | 4634219 | C07K 14/81  |
| 4634124 | C02F 3/34   | 4634172 | C07D 403/12 | 4634220 | C07K 16/08  |

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|---------|-------------|---------|-------------|---------|-------------|
| 4634221 | C07K 16/18  | 4634269 | C08J 5/18   | 4634317 | C09J 7/10   |
| 4634222 | C07K 16/22  | 4634270 | C08J 5/18   | 4634318 | C09J 7/35   |
| 4634223 | C07K 16/24  | 4634271 | C08J 5/22   | 4634319 | C09J 133/14 |
| 4634224 | C07K 16/28  | 4634272 | C08J 7/04   | 4634320 | C09J 151/06 |
| 4634225 | C07K 16/28  | 4634273 | C08J 7/04   | 4634321 | C09J 163/00 |
| 4634226 | C07K 16/28  | 4634274 | C08J 7/043  | 4634322 | C09J 163/10 |
| 4634227 | C07K 16/28  | 4634275 | C08J 9/00   | 4634323 | C09J 167/06 |
| 4634228 | C07K 16/28  | 4634276 | C08J 11/08  | 4634324 | C09K 3/14   |
| 4634229 | C07K 16/28  | 4634277 | C08J 11/20  | 4634325 | C09K 8/035  |
| 4634230 | C07K 16/28  | 4634278 | C08K 3/013  | 4634326 | C09K 19/34  |
| 4634231 | C07K 16/30  | 4634279 | C08K 3/04   | 4634327 | C09K 19/56  |
| 4634232 | C07K 16/36  | 4634280 | C08K 3/04   | 4634328 | C10G 1/00   |
| 4634233 | C07K 16/40  | 4634281 | C08K 3/04   | 4634329 | C10G 1/00   |
| 4634234 | C07K 16/40  | 4634282 | C08K 3/08   | 4634330 | C10G 3/00   |
| 4634235 | C07K 16/42  | 4634283 | C08K 3/22   | 4634331 | C10G 3/00   |
| 4634236 | C07K 16/46  | 4634284 | C08K 5/00   | 4634332 | C10G 3/00   |
| 4634237 | C07K 19/00  | 4634285 | C08K 5/00   | 4634333 | C10G 3/00   |
| 4634238 | C07K 19/00  | 4634286 | C08K 5/01   | 4634334 | C10G 3/00   |
| 4634239 | C08B 15/05  | 4634287 | C08K 5/5419 | 4634335 | C10G 9/24   |
| 4634240 | C08B 15/05  | 4634288 | C08L 7/00   | 4634336 | C10G 9/24   |
| 4634241 | C08B 37/00  | 4634289 | C08L 23/06  | 4634337 | C10G 11/16  |
| 4634242 | C08B 37/00  | 4634290 | C08L 23/08  | 4634338 | C10G 47/16  |
| 4634243 | C08F 26/06  | 4634291 | C08L 23/08  | 4634339 | C10G 57/02  |
| 4634244 | C08F 216/14 | 4634292 | C08L 23/12  | 4634340 | C10L 1/222  |
| 4634245 | C08F 216/14 | 4634293 | C08L 23/12  | 4634341 | C10M 101/00 |
| 4634246 | C08F 226/00 | 4634294 | C08L 23/12  | 4634342 | C11D 1/00   |
| 4634247 | C08F 279/02 | 4634295 | C08L 23/12  | 4634343 | C11D 1/06   |
| 4634248 | C08F 283/02 | 4634296 | C08L 23/12  | 4634344 | C11D 1/12   |
| 4634249 | C08F 283/02 | 4634297 | C08L 33/08  | 4634345 | C11D 1/48   |
| 4634250 | C08F 283/02 | 4634298 | C08L 53/00  | 4634346 | C11D 1/62   |
| 4634251 | C08F 290/06 | 4634299 | C08L 67/02  | 4634347 | C11D 1/66   |
| 4634252 | C08G 18/08  | 4634300 | C08L 67/04  | 4634348 | C11D 1/72   |
| 4634253 | C08G 18/08  | 4634301 | C08L 77/00  | 4634349 | C11D 1/88   |
| 4634254 | C08G 18/18  | 4634302 | C08L 77/02  | 4634350 | C11D 3/00   |
| 4634255 | C08G 18/18  | 4634303 | C08L 79/08  | 4634351 | C11D 3/00   |
| 4634256 | C08G 18/24  | 4634304 | C08L 95/00  | 4634352 | C11D 3/37   |
| 4634257 | C08G 18/38  | 4634305 | C08L 97/02  | 4634353 | C11D 3/386  |
| 4634258 | C08G 18/38  | 4634306 | C09B 62/00  | 4634354 | C11D 3/386  |
| 4634259 | C08G 18/48  | 4634307 | C09C 1/00   | 4634355 | C11D 3/386  |
| 4634260 | C08G 18/48  | 4634308 | C09D 5/00   | 4634356 | C11D 3/43   |
| 4634261 | C08G 18/48  | 4634309 | C09D 5/03   | 4634357 | C11D 11/00  |
| 4634262 | C08G 59/22  | 4634310 | C09D 5/14   | 4634358 | C11D 17/00  |
| 4634263 | C08G 59/50  | 4634311 | C09D 7/45   | 4634359 | C12G 3/021  |
| 4634264 | C08G 61/12  | 4634312 | C09D 133/08 | 4634360 | C12M 1/00   |
| 4634265 | C08G 63/672 | 4634313 | C09D 133/08 | 4634361 | C12M 3/00   |
| 4634266 | C08H 7/00   | 4634314 | C09D 167/08 | 4634362 | C12M 3/06   |
| 4634267 | C08J 3/12   | 4634315 | C09D 183/12 | 4634363 | C12N 1/36   |
| 4634268 | C08J 3/12   | 4634316 | C09G 1/02   | 4634364 | C12N 5/073  |

|         |             |         |             |         |             |
|---------|-------------|---------|-------------|---------|-------------|
| 4634365 | C12N 5/0735 | 4634413 | C21C 7/00   | 4634461 | E02D 1/04   |
| 4634366 | C12N 5/078  | 4634414 | C21D 1/25   | 4634462 | E02F 3/34   |
| 4634367 | C12N 5/0783 | 4634415 | C21D 8/02   | 4634463 | E02F 3/34   |
| 4634368 | C12N 5/0783 | 4634416 | C22B 1/00   | 4634464 | E02F 9/16   |
| 4634369 | C12N 5/079  | 4634417 | C22B 3/08   | 4634465 | E02F 9/22   |
| 4634370 | C12N 7/00   | 4634418 | C22B 3/16   | 4634466 | E03C 1/126  |
| 4634371 | C12N 7/00   | 4634419 | C22B 3/42   | 4634467 | E04F 13/08  |
| 4634372 | C12N 9/02   | 4634420 | C22B 7/00   | 4634468 | E04F 13/08  |
| 4634373 | C12N 9/12   | 4634421 | C22C 1/02   | 4634469 | E04F 13/08  |
| 4634374 | C12N 9/12   | 4634422 | C22C 1/02   | 4634470 | E04F 15/02  |
| 4634375 | C12N 9/22   | 4634423 | C22C 19/03  | 4634471 | E04F 15/02  |
| 4634376 | C12N 9/22   | 4634424 | C22C 21/18  | 4634472 | E04F 15/10  |
| 4634377 | C12N 9/24   | 4634425 | C22C 38/02  | 4634473 | E04F 21/02  |
| 4634378 | C12N 15/10  | 4634426 | C22C 38/02  | 4634474 | E04G 7/32   |
| 4634379 | C12N 15/10  | 4634427 | C22C 38/58  | 4634475 | E04G 21/12  |
| 4634380 | C12N 15/11  | 4634428 | C22F 1/047  | 4634476 | E04G 21/14  |
| 4634381 | C12N 15/113 | 4634429 | C23C 4/06   | 4634477 | E04H 4/00   |
| 4634382 | C12N 15/113 | 4634430 | C23C 14/04  | 4634478 | E05B 15/00  |
| 4634383 | C12N 15/113 | 4634431 | C23C 14/28  | 4634479 | E05B 65/466 |
| 4634384 | C12N 15/113 | 4634432 | C23C 16/26  | 4634480 | E05F 15/43  |
| 4634385 | C12N 15/113 | 4634433 | C25B 3/03   | 4634481 | E06B 9/86   |
| 4634386 | C12N 15/113 | 4634434 | C25B 3/07   | 4634482 | E21B 7/02   |
| 4634387 | C12N 15/113 | 4634435 | C25B 3/26   | 4634483 | E21B 19/16  |
| 4634388 | C12N 15/47  | 4634436 | C25B 15/023 | 4634484 | E21B 19/16  |
| 4634389 | C12N 15/67  | 4634437 | C25D 5/12   | 4634485 | E21B 25/00  |
| 4634390 | C12N 15/85  | 4634438 | C25D 11/00  | 4634486 | E21B 37/00  |
| 4634391 | C12N 15/85  | 4634439 | C25D 11/32  | 4634487 | E21B 41/00  |
| 4634392 | C12N 15/86  | 4634440 | C25D 11/32  | 4634488 | E21B 44/00  |
| 4634393 | C12N 15/86  | 4634441 | C30B 7/02   | 4634489 | E21B 47/12  |
| 4634394 | C12N 15/864 | 4634442 | D01D 4/06   | 4634490 | F01D 9/02   |
| 4634395 | C12P 7/44   | 4634443 | D01F 2/02   | 4634491 | F01D 25/28  |
| 4634396 | C12P 19/26  | 4634444 | D01H 13/16  | 4634492 | F01D 25/28  |
| 4634397 | C12P 21/00  | 4634445 | D03D 1/00   | 4634493 | F01L 1/047  |
| 4634398 | C12Q 1/6806 | 4634446 | D03D 47/36  | 4634494 | F01L 1/047  |
| 4634399 | C12Q 1/6806 | 4634447 | D04C 1/06   | 4634495 | F01L 13/06  |
| 4634400 | C12Q 1/6806 | 4634448 | D04H 1/4218 | 4634496 | F01L 13/06  |
| 4634401 | C12Q 1/6806 | 4634449 | D05C 15/18  | 4634497 | F01N 3/027  |
| 4634402 | C12Q 1/6806 | 4634450 | D05C 15/20  | 4634498 | F01N 3/06   |
| 4634403 | C12Q 1/6806 | 4634451 | D06F 39/10  | 4634499 | F01N 3/20   |
| 4634404 | C12Q 1/6813 | 4634452 | D06N 3/00   | 4634500 | F01N 3/20   |
| 4634405 | C12Q 1/6848 | 4634453 | D06P 1/00   | 4634501 | F02B 37/10  |
| 4634406 | C12Q 1/6886 | 4634454 | D21C 5/00   | 4634502 | F02C 3/113  |
| 4634407 | C12Q 1/6886 | 4634455 | D21H 19/82  | 4634503 | F02C 9/18   |
| 4634408 | C12Q 1/689  | 4634456 | D21H 21/40  | 4634504 | F02D 9/06   |
| 4634409 | C12Q 1/70   | 4634457 | D21J 3/10   | 4634505 | F02D 13/02  |
| 4634410 | C14C 11/00  | 4634458 | E01D 21/00  | 4634506 | F02D 13/02  |
| 4634411 | C21B 13/00  | 4634459 | E01F 9/669  | 4634507 | F02D 37/02  |
| 4634412 | C21C 5/46   | 4634460 | E02B 17/00  | 4634508 | F02K 1/72   |

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|---------|-------------|---------|-------------|---------|--------------|
| 4634509 | F02M 21/02  | 4634557 | F16L 37/14  | 4634605 | F42C 9/14    |
| 4634510 | F02M 59/46  | 4634558 | F16L 55/48  | 4634606 | F42C 15/24   |
| 4634511 | F03B 3/06   | 4634559 | F16L 59/05  | 4634607 | F42C 15/24   |
| 4634512 | F03B 13/26  | 4634560 | F16M 3/00   | 4634608 | G01B 9/0209  |
| 4634513 | F03D 1/06   | 4634561 | F16M 11/04  | 4634609 | G01B 9/0209  |
| 4634514 | F03D 1/06   | 4634562 | F17C 3/08   | 4634610 | G01B 11/06   |
| 4634515 | F03D 1/06   | 4634563 | F17C 7/00   | 4634611 | G01B 11/12   |
| 4634516 | F03D 1/06   | 4634564 | F17C 13/00  | 4634612 | G01B 11/25   |
| 4634517 | F03D 1/06   | 4634565 | F17D 5/02   | 4634613 | G01B 11/25   |
| 4634518 | F03D 1/06   | 4634566 | F21K 9/00   | 4634614 | G01C 17/38   |
| 4634519 | F03D 3/00   | 4634567 | F21S 8/08   | 4634615 | G01C 19/72   |
| 4634520 | F03D 13/10  | 4634568 | F21S 41/141 | 4634616 | G01C 21/30   |
| 4634521 | F03D 13/10  | 4634569 | F21S 43/20  | 4634617 | G01D 5/12    |
| 4634522 | F03D 17/00  | 4634570 | F21S 43/20  | 4634618 | G01D 5/14    |
| 4634523 | F03D 17/00  | 4634571 | F21S 45/43  | 4634619 | G01D 5/14    |
| 4634524 | F03D 17/00  | 4634572 | F21V 8/00   | 4634620 | G01D 5/353   |
| 4634525 | F03D 80/00  | 4634573 | F21V 33/00  | 4634621 | G01D 13/12   |
| 4634526 | F04B 9/111  | 4634574 | F22B 35/00  | 4634622 | G01F 1/84    |
| 4634527 | F04B 27/04  | 4634575 | F22B 37/00  | 4634623 | G01F 23/296  |
| 4634528 | F04B 27/04  | 4634576 | F23C 7/02   | 4634624 | G01H 7/00    |
| 4634529 | F04B 39/12  | 4634577 | F23J 15/00  | 4634625 | G01H 9/00    |
| 4634530 | F04B 49/06  | 4634578 | F24C 3/08   | 4634626 | G01K 7/22    |
| 4634531 | F04C 18/02  | 4634579 | F24C 15/00  | 4634627 | G01L 1/22    |
| 4634532 | F04D 5/00   | 4634580 | F24C 15/20  | 4634628 | G01L 5/04    |
| 4634533 | F04D 13/06  | 4634581 | F24D 17/02  | 4634629 | G01L 19/00   |
| 4634534 | F04D 19/04  | 4634582 | F24F 1/039  | 4634630 | G01M 5/00    |
| 4634535 | F04D 23/00  | 4634583 | F24F 3/14   | 4634631 | G01M 17/02   |
| 4634536 | F04D 27/02  | 4634584 | F24F 3/14   | 4634632 | G01N 1/28    |
| 4634537 | F04D 29/02  | 4634585 | F24F 11/00  | 4634633 | G01N 1/28    |
| 4634538 | F15B 11/04  | 4634586 | F24F 11/46  | 4634634 | G01N 1/30    |
| 4634539 | F16B 5/02   | 4634587 | F24F 12/00  | 4634635 | G01N 5/04    |
| 4634540 | F16B 5/06   | 4634588 | F24F 13/10  | 4634636 | G01N 15/02   |
| 4634541 | F16B 21/04  | 4634589 | F24H 3/04   | 4634637 | G01N 15/10   |
| 4634542 | F16D 3/41   | 4634590 | F24H 7/02   | 4634638 | G01N 15/14   |
| 4634543 | F16D 48/02  | 4634591 | F24S 10/75  | 4634639 | G01N 15/14   |
| 4634544 | F16D 48/06  | 4634592 | F24S 20/70  | 4634640 | G01N 15/1429 |
| 4634545 | F16D 48/06  | 4634593 | F24S 23/30  | 4634641 | G01N 15/1434 |
| 4634546 | F16F 9/43   | 4634594 | F25B 9/12   | 4634642 | G01N 21/03   |
| 4634547 | F16H 48/11  | 4634595 | F25J 1/00   | 4634643 | G01N 21/25   |
| 4634548 | F16H 57/01  | 4634596 | F27B 1/00   | 4634644 | G01N 21/3504 |
| 4634549 | F16H 61/02  | 4634597 | F27B 7/34   | 4634645 | G01N 21/63   |
| 4634550 | F16H 61/02  | 4634598 | F27B 21/06  | 4634646 | G01N 21/65   |
| 4634551 | F16H 61/66  | 4634599 | F28D 20/00  | 4634647 | G01N 21/78   |
| 4634552 | F16K 1/08   | 4634600 | F28F 17/00  | 4634648 | G01N 22/00   |
| 4634553 | F16K 1/12   | 4634601 | F41A 21/22  | 4634649 | G01N 23/2204 |
| 4634554 | F16K 5/06   | 4634602 | F41G 1/32   | 4634650 | G01N 23/2251 |
| 4634555 | F16L 19/025 | 4634603 | F41H 11/20  | 4634651 | G01N 27/02   |
| 4634556 | F16L 19/025 | 4634604 | F42B 10/14  | 4634652 | G01N 27/02   |

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|---------|-------------|---------|-------------|---------|--------------|
| 4634653 | G01N 27/30  | 4634701 | G01T 1/17   | 4634749 | G06F 1/324   |
| 4634654 | G01N 27/404 | 4634702 | G01V 1/30   | 4634750 | G06F 1/3296  |
| 4634655 | G01N 27/414 | 4634703 | G01V 1/30   | 4634751 | G06F 3/01    |
| 4634656 | G01N 27/87  | 4634704 | G01V 1/46   | 4634752 | G06F 3/01    |
| 4634657 | G01N 29/02  | 4634705 | G01V 3/08   | 4634753 | G06F 3/01    |
| 4634658 | G01N 30/60  | 4634706 | G01V 3/165  | 4634754 | G06F 3/01    |
| 4634659 | G01N 30/88  | 4634707 | G01W 1/10   | 4634755 | G06F 3/01    |
| 4634660 | G01N 33/00  | 4634708 | G02B 5/02   | 4634756 | G06F 3/01    |
| 4634661 | G01N 33/00  | 4634709 | G02B 5/18   | 4634757 | G06F 3/01    |
| 4634662 | G01N 33/50  | 4634710 | G02B 5/22   | 4634758 | G06F 3/01    |
| 4634663 | G01N 33/50  | 4634711 | G02B 5/30   | 4634759 | G06F 3/0354  |
| 4634664 | G01N 33/543 | 4634712 | G02B 6/10   | 4634760 | G06F 3/06    |
| 4634665 | G01N 33/569 | 4634713 | G02B 6/42   | 4634761 | G06F 3/16    |
| 4634666 | G01N 33/574 | 4634714 | G02B 7/06   | 4634762 | G06F 8/41    |
| 4634667 | G01N 33/574 | 4634715 | G02B 21/00  | 4634763 | G06F 8/54    |
| 4634668 | G01N 33/68  | 4634716 | G02B 21/36  | 4634764 | G06F 8/60    |
| 4634669 | G01N 33/68  | 4634717 | G02B 26/08  | 4634765 | G06F 9/30    |
| 4634670 | G01N 35/00  | 4634718 | G02B 27/00  | 4634766 | G06F 9/38    |
| 4634671 | G01N 35/02  | 4634719 | G02B 27/01  | 4634767 | G06F 9/38    |
| 4634672 | G01N 37/00  | 4634720 | G02C 7/02   | 4634768 | G06F 9/44    |
| 4634673 | G01R 29/08  | 4634721 | G02F 1/1335 | 4634769 | G06F 9/455   |
| 4634674 | G01R 31/36  | 4634722 | G02F 1/1335 | 4634770 | G06F 9/455   |
| 4634675 | G01R 31/371 | 4634723 | G03F 7/00   | 4634771 | G06F 9/48    |
| 4634676 | G01R 31/42  | 4634724 | G03F 7/20   | 4634772 | G06F 9/50    |
| 4634677 | G01R 31/64  | 4634725 | G03F 7/20   | 4634773 | G06F 9/50    |
| 4634678 | G01R 33/00  | 4634726 | G03F 9/00   | 4634774 | G06F 9/50    |
| 4634679 | G01R 33/28  | 4634727 | G03G 15/10  | 4634775 | G06F 9/50    |
| 4634680 | G01S 1/00   | 4634728 | G04B 17/22  | 4634776 | G06F 9/50    |
| 4634681 | G01S 1/04   | 4634729 | G05B 13/02  | 4634777 | G06F 11/14   |
| 4634682 | G01S 5/00   | 4634730 | G05B 19/042 | 4634778 | G06F 11/14   |
| 4634683 | G01S 5/02   | 4634731 | G05B 19/19  | 4634779 | G06F 11/14   |
| 4634684 | G01S 5/02   | 4634732 | G05B 19/402 | 4634780 | G06F 11/30   |
| 4634685 | G01S 5/06   | 4634733 | G05B 19/418 | 4634781 | G06F 12/02   |
| 4634686 | G01S 5/18   | 4634734 | G05B 19/418 | 4634782 | G06F 12/1009 |
| 4634687 | G01S 7/00   | 4634735 | G05B 19/418 | 4634783 | G06F 12/12   |
| 4634688 | G01S 7/00   | 4634736 | G05B 19/418 | 4634784 | G06F 13/40   |
| 4634689 | G01S 7/40   | 4634737 | G05B 19/427 | 4634785 | G06F 13/42   |
| 4634690 | G01S 7/481  | 4634738 | G05B 23/02  | 4634786 | G06F 13/42   |
| 4634691 | G01S 7/4914 | 4634739 | G05D 1/00   | 4634787 | G06F 15/173  |
| 4634692 | G01S 7/497  | 4634740 | G05D 1/242  | 4634788 | G06F 16/23   |
| 4634693 | G01S 11/16  | 4634741 | G05D 1/248  | 4634789 | G06F 16/24   |
| 4634694 | G01S 13/00  | 4634742 | G05D 23/19  | 4634790 | G06F 16/27   |
| 4634695 | G01S 13/931 | 4634743 | G05D 23/19  | 4634791 | G06F 16/27   |
| 4634696 | G01S 17/10  | 4634744 | G06F 1/16   | 4634792 | G06F 16/27   |
| 4634697 | G01S 17/66  | 4634745 | G06F 1/20   | 4634793 | G06F 16/36   |
| 4634698 | G01S 17/931 | 4634746 | G06F 1/26   | 4634794 | G06F 16/44   |
| 4634699 | G01S 19/21  | 4634747 | G06F 1/30   | 4634795 | G06F 16/901  |
| 4634700 | G01S 19/21  | 4634748 | G06F 1/324  | 4634796 | G06F 18/21   |

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|---------|--------------|---------|--------------|---------|-------------|
| 4634797 | G06F 18/213  | 4634845 | G06Q 10/0835 | 4634893 | G08B 13/14  |
| 4634798 | G06F 18/213  | 4634846 | G06Q 10/0835 | 4634894 | G08B 17/00  |
| 4634799 | G06F 21/14   | 4634847 | G06Q 20/02   | 4634895 | G08B 17/00  |
| 4634800 | G06F 21/31   | 4634848 | G06Q 20/38   | 4634896 | G08B 17/117 |
| 4634801 | G06F 21/40   | 4634849 | G06Q 30/0201 | 4634897 | G08B 21/02  |
| 4634802 | G06F 21/55   | 4634850 | G06Q 30/06   | 4634898 | G08B 21/04  |
| 4634803 | G06F 21/56   | 4634851 | G06Q 50/06   | 4634899 | G08G 1/01   |
| 4634804 | G06F 21/57   | 4634852 | G06Q 50/06   | 4634900 | G09B 23/28  |
| 4634805 | G06F 21/60   | 4634853 | G06T 1/00    | 4634901 | G09B 23/28  |
| 4634806 | G06F 21/60   | 4634854 | G06T 5/50    | 4634902 | G09B 23/30  |
| 4634807 | G06F 21/60   | 4634855 | G06T 5/50    | 4634903 | G09F 13/04  |
| 4634808 | G06F 21/62   | 4634856 | G06T 7/00    | 4634904 | G09F 19/18  |
| 4634809 | G06F 21/64   | 4634857 | G06T 7/00    | 4634905 | G09G 3/00   |
| 4634810 | G06F 30/17   | 4634858 | G06T 7/00    | 4634906 | G09G 3/34   |
| 4634811 | G06F 30/17   | 4634859 | G06T 7/20    | 4634907 | G09G 3/36   |
| 4634812 | G06F 30/20   | 4634860 | G06T 7/60    | 4634908 | G09G 5/02   |
| 4634813 | G06F 30/27   | 4634861 | G06T 7/73    | 4634909 | G10H 1/00   |
| 4634814 | G06F 30/27   | 4634862 | G06T 9/00    | 4634910 | G10K 9/125  |
| 4634815 | G06F 30/27   | 4634863 | G06T 11/00   | 4634911 | G10L 17/18  |
| 4634816 | G06F 40/166  | 4634864 | G06T 11/00   | 4634912 | G10L 19/20  |
| 4634817 | G06F 40/166  | 4634865 | G06T 11/00   | 4634913 | G10L 25/48  |
| 4634818 | G06F 40/30   | 4634866 | G06T 11/00   | 4634914 | G11B 5/725  |
| 4634819 | G06F 40/30   | 4634867 | G06T 11/60   | 4634915 | G11C 11/406 |
| 4634820 | G06F 40/58   | 4634868 | G06T 13/40   | 4634916 | G11C 13/00  |
| 4634821 | G06K 19/02   | 4634869 | G06T 15/00   | 4634917 | G11C 16/10  |
| 4634822 | G06K 19/077  | 4634870 | G06T 15/06   | 4634918 | G11C 29/02  |
| 4634823 | G06N 3/02    | 4634871 | G06T 15/08   | 4634919 | G11C 29/02  |
| 4634824 | G06N 3/045   | 4634872 | G06T 15/08   | 4634920 | G16B 5/00   |
| 4634825 | G06N 3/045   | 4634873 | G06T 15/08   | 4634921 | G16B 20/30  |
| 4634826 | G06N 3/0455  | 4634874 | G06T 17/00   | 4634922 | G16B 40/20  |
| 4634827 | G06N 3/0455  | 4634875 | G06T 17/00   | 4634923 | G16C 20/30  |
| 4634828 | G06N 3/0464  | 4634876 | G06T 19/00   | 4634924 | G16C 20/30  |
| 4634829 | G06N 3/0464  | 4634877 | G06T 19/20   | 4634925 | G16H 10/40  |
| 4634830 | G06N 3/0475  | 4634878 | G06V 10/22   | 4634926 | G16H 10/40  |
| 4634831 | G06N 3/0475  | 4634879 | G06V 10/25   | 4634927 | G16H 20/10  |
| 4634832 | G06N 3/086   | 4634880 | G06V 10/25   | 4634928 | G16H 20/17  |
| 4634833 | G06N 3/098   | 4634881 | G06V 10/25   | 4634929 | G16H 20/17  |
| 4634834 | G06N 10/20   | 4634882 | G06V 10/26   | 4634930 | G16H 20/30  |
| 4634835 | G06N 10/40   | 4634883 | G06V 10/80   | 4634931 | G16H 20/30  |
| 4634836 | G06N 20/00   | 4634884 | G06V 10/82   | 4634932 | G16H 20/30  |
| 4634837 | G06N 20/00   | 4634885 | G06V 10/82   | 4634933 | G16H 20/40  |
| 4634838 | G06Q 10/04   | 4634886 | G06V 10/82   | 4634934 | G16H 20/40  |
| 4634839 | G06Q 10/047  | 4634887 | G06V 20/40   | 4634935 | G16H 30/20  |
| 4634840 | G06Q 10/06   | 4634888 | G06V 20/40   | 4634936 | G16H 50/20  |
| 4634841 | G06Q 10/0631 | 4634889 | G06V 20/54   | 4634937 | G16H 50/20  |
| 4634842 | G06Q 10/08   | 4634890 | G07C 9/00    | 4634938 | G21C 3/04   |
| 4634843 | G06Q 10/08   | 4634891 | G07C 9/00    | 4634939 | G21C 9/033  |
| 4634844 | G06Q 10/0832 | 4634892 | G07F 17/32   | 4634940 | G21F 9/12   |

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| 4634941 | G21K 1/02    | 4634989 | H01L 27/15   | 4635037 | H01S 5/40    |
| 4634942 | G21K 1/04    | 4634990 | H01L 27/15   | 4635038 | H02B 1/20    |
| 4634943 | H01B 9/02    | 4634991 | H01L 27/15   | 4635039 | H02G 3/06    |
| 4634944 | H01B 13/012  | 4634992 | H01L 27/15   | 4635040 | H02G 9/06    |
| 4634945 | H01C 7/12    | 4634993 | H01L 33/00   | 4635041 | H02H 9/04    |
| 4634946 | H01F 5/02    | 4634994 | H01L 33/20   | 4635042 | H02J 1/10    |
| 4634947 | H01F 6/06    | 4634995 | H01L 33/20   | 4635043 | H02J 1/14    |
| 4634948 | H01F 17/00   | 4634996 | H01L 33/38   | 4635044 | H02J 3/18    |
| 4634949 | H01F 27/02   | 4634997 | H01L 33/38   | 4635045 | H02J 3/32    |
| 4634950 | H01F 27/28   | 4634998 | H01L 33/38   | 4635046 | H02J 7/00    |
| 4634951 | H01H 1/20    | 4634999 | H01L 33/38   | 4635047 | H02J 7/00    |
| 4634952 | H01H 3/26    | 4635000 | H01L 33/38   | 4635048 | H02J 50/20   |
| 4634953 | H01H 9/38    | 4635001 | H01L 33/50   | 4635049 | H02K 1/20    |
| 4634954 | H01H 9/52    | 4635002 | H01L 33/62   | 4635050 | H02K 1/276   |
| 4634955 | H01H 9/54    | 4635003 | H01M 4/04    | 4635051 | H02K 1/276   |
| 4634956 | H01J 27/02   | 4635004 | H01M 4/04    | 4635052 | H02K 1/276   |
| 4634957 | H01J 37/28   | 4635005 | H01M 4/10    | 4635053 | H02K 1/278   |
| 4634958 | H01J 37/32   | 4635006 | H01M 4/131   | 4635054 | H02K 1/2791  |
| 4634959 | H01J 49/42   | 4635007 | H01M 4/133   | 4635055 | H02K 1/30    |
| 4634960 | H01J 61/067  | 4635008 | H01M 4/139   | 4635056 | H02K 3/12    |
| 4634961 | H01L /       | 4635009 | H01M 8/0273  | 4635057 | H02K 3/14    |
| 4634962 | H01L 21/02   | 4635010 | H01M 8/0273  | 4635058 | H02K 3/28    |
| 4634963 | H01L 21/02   | 4635011 | H01M 8/0297  | 4635059 | H02K 5/173   |
| 4634964 | H01L 21/02   | 4635012 | H01M 8/0401  | 4635060 | H02M 1/00    |
| 4634965 | H01L 21/02   | 4635013 | H01M 8/1004  | 4635061 | H02M 1/00    |
| 4634966 | H01L 21/02   | 4635014 | H01M 8/248   | 4635062 | H02M 1/12    |
| 4634967 | H01L 21/02   | 4635015 | H01M 8/2485  | 4635063 | H02M 1/12    |
| 4634968 | H01L 21/02   | 4635016 | H01M 8/249   | 4635064 | H02M 1/12    |
| 4634969 | H01L 21/02   | 4635017 | H01M 10/04   | 4635065 | H02M 1/12    |
| 4634970 | H01L 21/28   | 4635018 | H01M 10/0525 | 4635066 | H02M 1/14    |
| 4634971 | H01L 21/67   | 4635019 | H01M 10/12   | 4635067 | H02N 1/04    |
| 4634972 | H01L 21/67   | 4635020 | H01M 50/204  | 4635068 | H02N 2/02    |
| 4634973 | H01L 21/768  | 4635021 | H01M 50/207  | 4635069 | H02P 3/00    |
| 4634974 | H01L 21/78   | 4635022 | H01M 50/209  | 4635070 | H02P 3/00    |
| 4634975 | H01L 21/8238 | 4635023 | H01M 50/209  | 4635071 | H02P 3/18    |
| 4634976 | H01L 21/98   | 4635024 | H01M 50/502  | 4635072 | H02P 21/00   |
| 4634977 | H01L 23/367  | 4635025 | H01P 5/10    | 4635073 | H02P 21/00   |
| 4634978 | H01L 23/49   | 4635026 | H01Q 1/22    | 4635074 | H02P 29/00   |
| 4634979 | H01L 23/498  | 4635027 | H01Q 3/20    | 4635075 | H02S 20/20   |
| 4634980 | H01L 23/66   | 4635028 | H01Q 3/46    | 4635076 | H02S 20/32   |
| 4634981 | H01L 25/065  | 4635029 | H01Q 5/40    | 4635077 | H02S 30/00   |
| 4634982 | H01L 25/075  | 4635030 | H01Q 13/08   | 4635078 | H02S 30/20   |
| 4634983 | H01L 25/075  | 4635031 | H01Q 13/08   | 4635079 | H03H 3/08    |
| 4634984 | H01L 25/075  | 4635032 | H01Q 15/00   | 4635080 | H03H 7/42    |
| 4634985 | H01L 25/16   | 4635033 | H01Q 15/00   | 4635081 | H03K 5/135   |
| 4634986 | H01L 25/16   | 4635034 | H01R 24/30   | 4635082 | H03K 17/06   |
| 4634987 | H01L 27/146  | 4635035 | H01S 3/00    | 4635083 | H03K 17/0814 |
| 4634988 | H01L 27/15   | 4635036 | H01S 3/067   | 4635084 | H03K 17/30   |

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| 4635085 | H03K 19/0175 | 4635133 | H04L 9/40    | 4635181 | H04N 19/172 |
| 4635086 | H03L 7/081   | 4635134 | H04L 9/40    | 4635182 | H04N 19/186 |
| 4635087 | H03M 3/00    | 4635135 | H04L 9/40    | 4635183 | H04N 19/30  |
| 4635088 | H03M 13/37   | 4635136 | H04L 12/12   | 4635184 | H04N 19/39  |
| 4635089 | H04B 1/00    | 4635137 | H04L 12/417  | 4635185 | H04N 19/46  |
| 4635090 | H04B 1/04    | 4635138 | H04L 25/03   | 4635186 | H04N 19/52  |
| 4635091 | H04B 1/12    | 4635139 | H04L 27/00   | 4635187 | H04N 19/527 |
| 4635092 | H04B 1/44    | 4635140 | H04L 27/00   | 4635188 | H04N 21/439 |
| 4635093 | H04B 1/7073  | 4635141 | H04L 41/00   | 4635189 | H04N 21/44  |
| 4635094 | H04B 7/04    | 4635142 | H04L 41/0604 | 4635190 | H04N 21/442 |
| 4635095 | H04B 7/06    | 4635143 | H04L 41/0806 | 4635191 | H04N 23/56  |
| 4635096 | H04B 7/06    | 4635144 | H04L 41/0826 | 4635192 | H04N 23/617 |
| 4635097 | H04B 7/06    | 4635145 | H04L 41/0893 | 4635193 | H04N 23/695 |
| 4635098 | H04B 7/06    | 4635146 | H04L 41/0894 | 4635194 | H04N 23/71  |
| 4635099 | H04B 7/06    | 4635147 | H04L 41/12   | 4635195 | H04N 25/133 |
| 4635100 | H04B 7/185   | 4635148 | H04L 41/14   | 4635196 | H04N 25/57  |
| 4635101 | H04B 7/185   | 4635149 | H04L 41/5025 | 4635197 | H04R 1/10   |
| 4635102 | H04B 7/185   | 4635150 | H04L 43/10   | 4635198 | H04R 3/00   |
| 4635103 | H04B 7/185   | 4635151 | H04L 43/50   | 4635199 | H04R 5/033  |
| 4635104 | H04B 7/26    | 4635152 | H04L 45/00   | 4635200 | H04R 7/10   |
| 4635105 | H04B 10/071  | 4635153 | H04L 45/00   | 4635201 | H04R 9/04   |
| 4635106 | H04B 10/2575 | 4635154 | H04L 47/70   | 4635202 | H04R 23/00  |
| 4635107 | H04B 10/27   | 4635155 | H04L 47/76   | 4635203 | H04S 7/00   |
| 4635108 | H04B 11/00   | 4635156 | H04L 49/1515 | 4635204 | H04S 7/00   |
| 4635109 | H04B 17/12   | 4635157 | H04L 61/103  | 4635205 | H04S 7/00   |
| 4635110 | H04J 3/06    | 4635158 | H04L 61/4511 | 4635206 | H04S 7/00   |
| 4635111 | H04L 1/00    | 4635159 | H04L 61/4511 | 4635207 | H04W 4/029  |
| 4635112 | H04L 1/00    | 4635160 | H04L 65/1095 | 4635208 | H04W 4/06   |
| 4635113 | H04L 1/00    | 4635161 | H04L 65/756  | 4635209 | H04W 4/38   |
| 4635114 | H04L 1/16    | 4635162 | H04L 65/80   | 4635210 | H04W 8/08   |
| 4635115 | H04L 1/16    | 4635163 | H04L 67/1095 | 4635211 | H04W 8/18   |
| 4635116 | H04L 1/18    | 4635164 | H04L 67/12   | 4635212 | H04W 12/00  |
| 4635117 | H04L 1/20    | 4635165 | H04L 67/2871 | 4635213 | H04W 12/06  |
| 4635118 | H04L 5/00    | 4635166 | H04L 67/52   | 4635214 | H04W 12/06  |
| 4635119 | H04L 5/00    | 4635167 | H04M 3/523   | 4635215 | H04W 12/06  |
| 4635120 | H04L 5/00    | 4635168 | H04N 7/14    | 4635216 | H04W 12/08  |
| 4635121 | H04L 5/00    | 4635169 | H04N 9/64    | 4635217 | H04W 12/50  |
| 4635122 | H04L 5/00    | 4635170 | H04N 13/128  | 4635218 | H04W 16/14  |
| 4635123 | H04L 5/00    | 4635171 | H04N 19/105  | 4635219 | H04W 16/18  |
| 4635124 | H04L 5/00    | 4635172 | H04N 19/11   | 4635220 | H04W 24/02  |
| 4635125 | H04L 5/14    | 4635173 | H04N 19/117  | 4635221 | H04W 24/10  |
| 4635126 | H04L 9/08    | 4635174 | H04N 19/117  | 4635222 | H04W 28/02  |
| 4635127 | H04L 9/08    | 4635175 | H04N 19/119  | 4635223 | H04W 28/02  |
| 4635128 | H04L 9/40    | 4635176 | H04N 19/119  | 4635224 | H04W 28/02  |
| 4635129 | H04L 9/40    | 4635177 | H04N 19/12   | 4635225 | H04W 28/24  |
| 4635130 | H04L 9/40    | 4635178 | H04N 19/129  | 4635226 | H04W 36/08  |
| 4635131 | H04L 9/40    | 4635179 | H04N 19/146  | 4635227 | H04W 36/28  |
| 4635132 | H04L 9/40    | 4635180 | H04N 19/154  | 4635228 | H04W 36/30  |

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| 4635229 | H04W 36/30  | 4635277 | H10N 10/17  | 4635325 | A24F 40/40  |
| 4635230 | H04W 36/36  | 4635278 | H10N 97/00  | 4635326 | A24F 40/42  |
| 4635231 | H04W 36/36  | 4635279 | A01B 3/46   | 4635327 | A24F 40/46  |
| 4635232 | H04W 48/12  | 4635280 | A01B 69/00  | 4635328 | A24F 40/50  |
| 4635233 | H04W 48/18  | 4635281 | A01B 73/00  | 4635329 | A24F 40/50  |
| 4635234 | H04W 52/02  | 4635282 | A01B 73/02  | 4635330 | A24F 40/50  |
| 4635235 | H04W 52/02  | 4635283 | A01D 34/14  | 4635331 | A24F 40/50  |
| 4635236 | H04W 52/02  | 4635284 | A01D 34/63  | 4635332 | A24F 40/50  |
| 4635237 | H04W 52/02  | 4635285 | A01D 34/86  | 4635333 | A24F 40/50  |
| 4635238 | H04W 52/14  | 4635286 | A01D 34/86  | 4635334 | A24F 40/51  |
| 4635239 | H04W 56/00  | 4635287 | A01D 41/127 | 4635335 | A24F 40/51  |
| 4635240 | H04W 64/00  | 4635288 | A01D 41/127 | 4635336 | A24F 40/51  |
| 4635241 | H04W 68/02  | 4635289 | A01D 43/08  | 4635337 | A24F 40/53  |
| 4635242 | H04W 72/04  | 4635290 | A01F 15/08  | 4635338 | A24F 40/53  |
| 4635243 | H04W 72/04  | 4635291 | A01G 9/02   | 4635339 | A24F 40/57  |
| 4635244 | H04W 72/04  | 4635292 | A01G 24/22  | 4635340 | A24F 40/57  |
| 4635245 | H04W 72/04  | 4635293 | A01H 15/00  | 4635341 | A24F 40/57  |
| 4635246 | H04W 72/12  | 4635294 | A01K 5/01   | 4635342 | A24F 40/57  |
| 4635247 | H04W 72/23  | 4635295 | A01M 29/00  | 4635343 | A24F 40/57  |
| 4635248 | H04W 72/23  | 4635296 | A01N 1/02   | 4635344 | A24F 40/57  |
| 4635249 | H04W 72/23  | 4635297 | A21B 1/40   | 4635345 | A24F 40/60  |
| 4635250 | H04W 72/30  | 4635298 | A21B 1/40   | 4635346 | A24F 40/60  |
| 4635251 | H04W 74/08  | 4635299 | A23J 3/14   | 4635347 | A24F 40/65  |
| 4635252 | H04W 76/28  | 4635300 | A23K 10/18  | 4635348 | A24F 40/65  |
| 4635253 | H04W 92/18  | 4635301 | A23K 20/20  | 4635349 | A24F 40/65  |
| 4635254 | H05B 3/58   | 4635302 | A23L 27/00  | 4635350 | A24F 40/65  |
| 4635255 | H05B 6/10   | 4635303 | A23P 30/20  | 4635351 | A24F 47/00  |
| 4635256 | H05B 6/10   | 4635304 | A24B 13/00  | 4635352 | A41D 1/084  |
| 4635257 | H05B 6/12   | 4635305 | A24B 13/00  | 4635353 | A41D 1/089  |
| 4635258 | H05B 6/12   | 4635306 | A24B 15/12  | 4635354 | A41G 1/00   |
| 4635259 | H05B 45/20  | 4635307 | A24B 15/12  | 4635355 | A43B 7/1415 |
| 4635260 | H05B 47/185 | 4635308 | A24B 15/14  | 4635356 | A43B 13/14  |
| 4635261 | H05G 1/34   | 4635309 | A24B 15/167 | 4635357 | A43C 11/14  |
| 4635262 | H05K 1/14   | 4635310 | A24B 15/28  | 4635358 | A43C 19/00  |
| 4635263 | H05K 7/14   | 4635311 | A24B 15/42  | 4635359 | A44B 18/00  |
| 4635264 | H05K 7/14   | 4635312 | A24C 5/00   | 4635360 | A45B 15/00  |
| 4635265 | H05K 7/20   | 4635313 | A24D 1/02   | 4635361 | A45C 3/04   |
| 4635266 | H05K 7/20   | 4635314 | A24D 1/02   | 4635362 | A45C 3/06   |
| 4635267 | H05K 7/20   | 4635315 | A24D 1/20   | 4635363 | A45D 1/00   |
| 4635268 | H10B 12/00  | 4635316 | A24D 3/04   | 4635364 | A45D 2/36   |
| 4635269 | H10B 43/50  | 4635317 | A24F 40/10  | 4635365 | A45D 34/00  |
| 4635270 | H10B 63/00  | 4635318 | A24F 40/30  | 4635366 | A47B 88/407 |
| 4635271 | H10K 50/14  | 4635319 | A24F 40/40  | 4635367 | A47B 88/90  |
| 4635272 | H10K 50/19  | 4635320 | A24F 40/40  | 4635368 | A47B 96/20  |
| 4635273 | H10K 50/19  | 4635321 | A24F 40/40  | 4635369 | A47C 1/023  |
| 4635274 | H10K 59/122 | 4635322 | A24F 40/40  | 4635370 | A47C 4/02   |
| 4635275 | H10K 85/50  | 4635323 | A24F 40/40  | 4635371 | A47C 23/00  |
| 4635276 | H10K 85/60  | 4635324 | A24F 40/40  | 4635372 | A47C 23/05  |

|         |             |         |             |         |              |
|---------|-------------|---------|-------------|---------|--------------|
| 4635373 | A47C 31/00  | 4635421 | A61B 8/00   | 4635469 | A61K 6/30    |
| 4635374 | A47D 9/00   | 4635422 | A61B 8/08   | 4635470 | A61K 6/891   |
| 4635375 | A47G 1/06   | 4635423 | A61B 8/12   | 4635471 | A61K 8/25    |
| 4635376 | A47G 19/22  | 4635424 | A61B 17/00  | 4635472 | A61K 8/39    |
| 4635377 | A47J 31/06  | 4635425 | A61B 17/00  | 4635473 | A61K 8/68    |
| 4635378 | A47J 31/36  | 4635426 | A61B 17/00  | 4635474 | A61K 8/98    |
| 4635379 | A47J 37/07  | 4635427 | A61B 17/00  | 4635475 | A61K 8/99    |
| 4635380 | A47J 42/08  | 4635428 | A61B 17/12  | 4635476 | A61K 9/00    |
| 4635381 | A47J 43/042 | 4635429 | A61B 17/20  | 4635477 | A61K 9/00    |
| 4635382 | A47J 43/07  | 4635430 | A61B 17/29  | 4635478 | A61K 9/00    |
| 4635383 | A47J 43/07  | 4635431 | A61B 17/34  | 4635479 | A61K 9/08    |
| 4635384 | A47J 47/01  | 4635432 | A61B 17/56  | 4635480 | A61K 9/08    |
| 4635385 | A47K 11/02  | 4635433 | A61B 17/70  | 4635481 | A61K 9/1271  |
| 4635386 | A47L 9/00   | 4635434 | A61B 17/72  | 4635482 | A61K 9/14    |
| 4635387 | A47L 9/04   | 4635435 | A61B 18/04  | 4635483 | A61K 9/16    |
| 4635388 | A47L 11/20  | 4635436 | A61B 18/12  | 4635484 | A61K 9/16    |
| 4635389 | A47L 11/24  | 4635437 | A61B 18/12  | 4635485 | A61K 9/36    |
| 4635390 | A47L 11/283 | 4635438 | A61B 18/12  | 4635486 | A61K 9/51    |
| 4635391 | A47L 11/34  | 4635439 | A61B 18/12  | 4635487 | A61K 31/07   |
| 4635392 | A47L 11/40  | 4635440 | A61B 18/22  | 4635488 | A61K 31/167  |
| 4635393 | A61B 1/00   | 4635441 | A61B 34/10  | 4635489 | A61K 31/198  |
| 4635394 | A61B 1/00   | 4635442 | A61B 34/30  | 4635490 | A61K 31/198  |
| 4635395 | A61B 1/00   | 4635443 | A61B 34/37  | 4635491 | A61K 31/21   |
| 4635396 | A61B 1/00   | 4635444 | A61B 90/00  | 4635492 | A61K 31/33   |
| 4635397 | A61B 1/012  | 4635445 | A61B 90/98  | 4635493 | A61K 31/423  |
| 4635398 | A61B 1/012  | 4635446 | A61C 7/00   | 4635494 | A61K 31/433  |
| 4635399 | A61B 1/04   | 4635447 | A61C 8/00   | 4635495 | A61K 31/437  |
| 4635400 | A61B 3/10   | 4635448 | A61C 17/02  | 4635496 | A61K 31/445  |
| 4635401 | A61B 3/12   | 4635449 | A61F 2/00   | 4635497 | A61K 31/4709 |
| 4635402 | A61B 5/00   | 4635450 | A61F 2/16   | 4635498 | A61K 31/522  |
| 4635403 | A61B 5/00   | 4635451 | A61F 2/24   | 4635499 | A61K 31/5377 |
| 4635404 | A61B 5/00   | 4635452 | A61F 2/24   | 4635500 | A61K 31/69   |
| 4635405 | A61B 5/00   | 4635453 | A61F 2/58   | 4635501 | A61K 31/7056 |
| 4635406 | A61B 5/00   | 4635454 | A61F 2/58   | 4635502 | A61K 31/737  |
| 4635407 | A61B 5/00   | 4635455 | A61F 2/89   | 4635503 | A61K 33/243  |
| 4635408 | A61B 5/00   | 4635456 | A61F 2/915  | 4635504 | A61K 35/15   |
| 4635409 | A61B 5/00   | 4635457 | A61F 5/451  | 4635505 | A61K 35/33   |
| 4635410 | A61B 5/00   | 4635458 | A61F 7/00   | 4635506 | A61K 35/51   |
| 4635411 | A61B 5/00   | 4635459 | A61F 7/00   | 4635507 | A61K 36/185  |
| 4635412 | A61B 5/021  | 4635460 | A61F 13/15  | 4635508 | A61K 38/00   |
| 4635413 | A61B 5/0235 | 4635461 | A61F 13/534 | 4635509 | A61K 38/26   |
| 4635414 | A61B 5/145  | 4635462 | A61G 7/057  | 4635510 | A61K 39/00   |
| 4635415 | A61B 5/145  | 4635463 | A61G 13/02  | 4635511 | A61K 39/00   |
| 4635416 | A61B 5/145  | 4635464 | A61H 7/00   | 4635512 | A61K 40/11   |
| 4635417 | A61B 5/1455 | 4635465 | A61H 23/02  | 4635513 | A61K 41/00   |
| 4635418 | A61B 5/339  | 4635466 | A61H 31/00  | 4635514 | A61K 45/06   |
| 4635419 | A61B 6/00   | 4635467 | A61H 39/08  | 4635515 | A61K 47/54   |
| 4635420 | A61B 6/50   | 4635468 | A61J 1/10   | 4635516 | A61K 47/68   |

|         |             |         |             |         |             |
|---------|-------------|---------|-------------|---------|-------------|
| 4635517 | A61K 47/68  | 4635565 | A61P 9/00   | 4635613 | B01F 25/313 |
| 4635518 | A61K 47/69  | 4635566 | A61P 9/12   | 4635614 | B01F 35/12  |
| 4635519 | A61K 48/00  | 4635567 | A61P 19/02  | 4635615 | B01F 35/12  |
| 4635520 | A61K 48/00  | 4635568 | A61P 25/00  | 4635616 | B01J /      |
| 4635521 | A61L 26/00  | 4635569 | A61P 25/28  | 4635617 | B01J 8/06   |
| 4635522 | A61L 26/00  | 4635570 | A61P 29/00  | 4635618 | B01J 13/04  |
| 4635523 | A61L 27/06  | 4635571 | A61P 31/14  | 4635619 | B01J 13/04  |
| 4635524 | A61L 27/20  | 4635572 | A61P 35/00  | 4635620 | B01J 13/04  |
| 4635525 | A61L 27/26  | 4635573 | A61P 35/00  | 4635621 | B01J 20/08  |
| 4635526 | A61L 27/36  | 4635574 | A61P 35/00  | 4635622 | B01J 21/06  |
| 4635527 | A61L 27/38  | 4635575 | A61P 35/02  | 4635623 | B01J 23/63  |
| 4635528 | A61M 5/00   | 4635576 | A61Q 5/02   | 4635624 | B01J 37/02  |
| 4635529 | A61M 5/00   | 4635577 | A61Q 17/04  | 4635625 | B01J 38/02  |
| 4635530 | A61M 5/00   | 4635578 | A62C 2/06   | 4635626 | B01J 47/024 |
| 4635531 | A61M 5/00   | 4635579 | A62C 3/07   | 4635627 | B01L 3/00   |
| 4635532 | A61M 5/142  | 4635580 | A63B 21/072 | 4635628 | B01L 9/06   |
| 4635533 | A61M 5/168  | 4635581 | A63B 37/00  | 4635629 | B02C 4/02   |
| 4635534 | A61M 5/20   | 4635582 | A63B 37/00  | 4635630 | B04B 1/16   |
| 4635535 | A61M 5/32   | 4635583 | A63B 49/022 | 4635631 | B04B 9/12   |
| 4635536 | A61M 5/34   | 4635584 | A63B 67/06  | 4635632 | B05B 1/20   |
| 4635537 | A61M 5/34   | 4635585 | A63C 10/08  | 4635633 | B05B 7/08   |
| 4635538 | A61M 15/00  | 4635586 | A63F 7/02   | 4635634 | B05B 15/14  |
| 4635539 | A61M 15/06  | 4635587 | A63F 13/22  | 4635635 | B05C 3/12   |
| 4635540 | A61M 15/08  | 4635588 | A63H 33/06  | 4635636 | B05C 5/02   |
| 4635541 | A61M 16/00  | 4635589 | B01D 3/02   | 4635637 | B07B 1/20   |
| 4635542 | A61M 16/06  | 4635590 | B01D 9/02   | 4635638 | B07C 1/04   |
| 4635543 | A61M 16/06  | 4635591 | B01D 11/04  | 4635639 | B07C 3/00   |
| 4635544 | A61M 16/16  | 4635592 | B01D 15/08  | 4635640 | B07C 5/02   |
| 4635545 | A61M 16/20  | 4635593 | B01D 17/02  | 4635641 | B08B 5/04   |
| 4635546 | A61M 25/00  | 4635594 | B01D 24/00  | 4635642 | B09B 3/30   |
| 4635547 | A61M 25/01  | 4635595 | B01D 29/11  | 4635643 | B21C 1/34   |
| 4635548 | A61M 25/01  | 4635596 | B01D 37/00  | 4635644 | B21D 5/01   |
| 4635549 | A61M 25/01  | 4635597 | B01D 45/04  | 4635645 | B21D 7/06   |
| 4635550 | A61M 25/01  | 4635598 | B01D 46/44  | 4635646 | B21D 41/02  |
| 4635551 | A61M 36/12  | 4635599 | B01D 53/04  | 4635647 | B21F 1/00   |
| 4635552 | A61M 39/18  | 4635600 | B01D 53/04  | 4635648 | B21J 15/10  |
| 4635553 | A61M 39/22  | 4635601 | B01D 53/04  | 4635649 | B22D 11/04  |
| 4635554 | A61M 60/843 | 4635602 | B01D 53/04  | 4635650 | B22F 1/05   |
| 4635555 | A61N 1/05   | 4635603 | B01D 53/04  | 4635651 | B22F 9/08   |
| 4635556 | A61N 1/36   | 4635604 | B01D 53/62  | 4635652 | B22F 10/20  |
| 4635557 | A61N 1/36   | 4635605 | B01D 53/62  | 4635653 | B22F 10/28  |
| 4635558 | A61N 1/375  | 4635606 | B01D 53/62  | 4635654 | B23B 27/16  |
| 4635559 | A61N 1/39   | 4635607 | B01D 61/02  | 4635655 | B23B 27/16  |
| 4635560 | A61N 2/00   | 4635608 | B01D 61/44  | 4635656 | B23B 29/03  |
| 4635561 | A61N 5/06   | 4635609 | B01D 61/44  | 4635657 | B23B 33/00  |
| 4635562 | A61N 5/10   | 4635610 | B01D 65/02  | 4635658 | B23B 51/02  |
| 4635563 | A61N 5/10   | 4635611 | B01D 69/12  | 4635659 | B23C 5/06   |
| 4635564 | A61N 7/00   | 4635612 | B01D 71/10  | 4635660 | B23C 5/20   |

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|---------|-------------|---------|-------------|---------|--------------|
| 4635661 | B23D 61/02  | 4635709 | B29C 45/17  | 4635757 | B60C 13/00   |
| 4635662 | B23D 61/02  | 4635710 | B29C 45/28  | 4635758 | B60D 1/01    |
| 4635663 | B23D 61/02  | 4635711 | B29C 48/395 | 4635759 | B60G 7/00    |
| 4635664 | B23H 7/20   | 4635712 | B29C 48/41  | 4635760 | B60G 21/055  |
| 4635665 | B23K 9/028  | 4635713 | B29C 48/71  | 4635761 | B60H 1/00    |
| 4635666 | B23K 9/09   | 4635714 | B29C 49/42  | 4635762 | B60H 1/00    |
| 4635667 | B23K 9/29   | 4635715 | B29C 51/04  | 4635763 | B60H 1/00    |
| 4635668 | B23K 11/30  | 4635716 | B29C 63/00  | 4635764 | B60H 1/28    |
| 4635669 | B23K 15/00  | 4635717 | B29C 64/106 | 4635765 | B60H 1/32    |
| 4635670 | B23K 26/00  | 4635718 | B29C 64/218 | 4635766 | B60H 1/34    |
| 4635671 | B23K 26/144 | 4635719 | B29C 65/10  | 4635767 | B60K 1/04    |
| 4635672 | B23K 26/352 | 4635720 | B29C 65/18  | 4635768 | B60K 6/36    |
| 4635673 | B23K 26/38  | 4635721 | B29C 70/20  | 4635769 | B60K 6/405   |
| 4635674 | B23K 31/00  | 4635722 | B29D 30/06  | 4635770 | B60K 11/04   |
| 4635675 | B23Q 1/00   | 4635723 | B29D 30/06  | 4635771 | B60K 35/00   |
| 4635676 | B24B 19/26  | 4635724 | B29D 30/16  | 4635772 | B60K 35/10   |
| 4635677 | B24B 33/02  | 4635725 | B29D 30/38  | 4635773 | B60L 1/00    |
| 4635678 | B24B 49/12  | 4635726 | B29D 35/12  | 4635774 | B60L 1/02    |
| 4635679 | B24D 5/06   | 4635727 | B31B 50/25  | 4635775 | B60L 3/00    |
| 4635680 | B25B 1/10   | 4635728 | B32B 3/12   | 4635776 | B60L 3/00    |
| 4635681 | B25F 5/00   | 4635729 | B32B 5/02   | 4635777 | B60L 3/00    |
| 4635682 | B25F 5/00   | 4635730 | B32B 5/18   | 4635778 | B60L 3/00    |
| 4635683 | B25F 5/02   | 4635731 | B32B 7/02   | 4635779 | B60L 13/03   |
| 4635684 | B25J 9/12   | 4635732 | B32B 7/12   | 4635780 | B60L 50/20   |
| 4635685 | B25J 9/16   | 4635733 | B32B 9/00   | 4635781 | B60L 50/62   |
| 4635686 | B25J 9/16   | 4635734 | B32B 15/09  | 4635782 | B60L 50/64   |
| 4635687 | B25J 9/18   | 4635735 | B32B 25/20  | 4635783 | B60L 53/12   |
| 4635688 | B25J 9/22   | 4635736 | B32B 27/00  | 4635784 | B60L 53/16   |
| 4635689 | B25J 13/08  | 4635737 | B32B 27/36  | 4635785 | B60L 53/50   |
| 4635690 | B25J 15/08  | 4635738 | B32B 41/00  | 4635786 | B60L 53/53   |
| 4635691 | B25J 15/08  | 4635739 | B41F 13/08  | 4635787 | B60L 53/80   |
| 4635692 | B26D 7/22   | 4635740 | B41J 2/165  | 4635788 | B60L 55/00   |
| 4635693 | B27C 1/00   | 4635741 | B41J 29/13  | 4635789 | B60L 58/15   |
| 4635694 | B27C 5/10   | 4635742 | B41M 1/12   | 4635790 | B60L 58/16   |
| 4635695 | B27M 3/04   | 4635743 | B41M 5/24   | 4635791 | B60L 58/26   |
| 4635696 | B28B 1/00   | 4635744 | B44C 5/04   | 4635792 | B60N 2/16    |
| 4635697 | B29B 7/42   | 4635745 | B60C 1/00   | 4635793 | B60N 2/28    |
| 4635698 | B29B 9/06   | 4635746 | B60C 1/00   | 4635794 | B60N 2/28    |
| 4635699 | B29B 9/14   | 4635747 | B60C 1/00   | 4635795 | B60N 2/42    |
| 4635700 | B29B 9/14   | 4635748 | B60C 1/00   | 4635796 | B60Q 1/00    |
| 4635701 | B29B 11/16  | 4635749 | B60C 7/00   | 4635797 | B60Q 1/14    |
| 4635702 | B29B 11/16  | 4635750 | B60C 9/20   | 4635798 | B60Q 1/14    |
| 4635703 | B29B 13/06  | 4635751 | B60C 9/20   | 4635799 | B60Q 1/50    |
| 4635704 | B29B 15/08  | 4635752 | B60C 9/28   | 4635800 | B60R 9/06    |
| 4635705 | B29B 17/02  | 4635753 | B60C 11/00  | 4635801 | B60R 11/04   |
| 4635706 | B29B 17/02  | 4635754 | B60C 11/03  | 4635802 | B60R 16/02   |
| 4635707 | B29C 33/02  | 4635755 | B60C 11/03  | 4635803 | B60R 19/54   |
| 4635708 | B29C 45/06  | 4635756 | B60C 11/03  | 4635804 | B60R 21/2334 |

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|---------|-------------|---------|-------------|---------|--------------|
| 4635805 | B60R 25/20  | 4635853 | B64D 31/18  | 4635901 | B67C 3/22    |
| 4635806 | B60R 25/31  | 4635854 | B64D 37/02  | 4635902 | B67D 1/08    |
| 4635807 | B60T 7/04   | 4635855 | B64F 5/60   | 4635903 | B67D 3/00    |
| 4635808 | B60T 8/32   | 4635856 | B64F 5/60   | 4635904 | C01B 3/04    |
| 4635809 | B60T 17/00  | 4635857 | B64G 1/64   | 4635905 | C01B 3/04    |
| 4635810 | B60W 10/02  | 4635858 | B64U 10/13  | 4635906 | C01B 3/04    |
| 4635811 | B60W 20/10  | 4635859 | B65B 1/28   | 4635907 | C01B 3/48    |
| 4635812 | B60W 20/13  | 4635860 | B65B 1/30   | 4635908 | C01B 3/50    |
| 4635813 | B60W 20/20  | 4635861 | B65B 11/00  | 4635909 | C01B 17/22   |
| 4635814 | B60W 30/095 | 4635862 | B65B 23/06  | 4635910 | C01B 17/22   |
| 4635815 | B60W 30/18  | 4635863 | B65B 25/00  | 4635911 | C01B 17/22   |
| 4635816 | B60W 40/06  | 4635864 | B65B 51/14  | 4635912 | C01B 32/182  |
| 4635817 | B60W 40/064 | 4635865 | B65B 55/24  | 4635913 | C01C 1/02    |
| 4635818 | B60W 50/029 | 4635866 | B65D 3/00   | 4635914 | C01D 15/04   |
| 4635819 | B60W 60/00  | 4635867 | B65D 5/06   | 4635915 | C01F 5/08    |
| 4635820 | B60W 60/00  | 4635868 | B65D 5/50   | 4635916 | C01F 7/023   |
| 4635821 | B61B 1/00   | 4635869 | B65D 5/54   | 4635917 | C02F 1/32    |
| 4635822 | B61D 15/00  | 4635870 | B65D 19/44  | 4635918 | C02F 1/32    |
| 4635823 | B61L 3/12   | 4635871 | B65D 19/44  | 4635919 | C02F 1/58    |
| 4635824 | B61L 5/18   | 4635872 | B65D 21/028 | 4635920 | C03C 3/091   |
| 4635825 | B61L 5/18   | 4635873 | B65D 51/16  | 4635921 | C03C 3/32    |
| 4635826 | B61L 25/02  | 4635874 | B65D 73/02  | 4635922 | C03C 17/34   |
| 4635827 | B62B 3/02   | 4635875 | B65D 88/12  | 4635923 | C03C 27/12   |
| 4635828 | B62D 5/00   | 4635876 | B65D 88/12  | 4635924 | C04B 18/14   |
| 4635829 | B62D 33/063 | 4635877 | B65F 1/16   | 4635925 | C04B 20/02   |
| 4635830 | B62D 35/00  | 4635878 | B65G 1/00   | 4635926 | C04B 24/42   |
| 4635831 | B62D 51/00  | 4635879 | B65G 1/04   | 4635927 | C04B 26/16   |
| 4635832 | B62H 1/02   | 4635880 | B65G 1/137  | 4635928 | C04B 26/16   |
| 4635833 | B62H 3/02   | 4635881 | B65G 15/12  | 4635929 | C04B 28/02   |
| 4635834 | B62J 45/411 | 4635882 | B65G 27/04  | 4635930 | C04B 28/04   |
| 4635835 | B62K 15/00  | 4635883 | B65G 43/00  | 4635931 | C04B 28/04   |
| 4635836 | B62K 19/02  | 4635884 | B65G 65/00  | 4635932 | C04B 35/573  |
| 4635837 | B62K 23/04  | 4635885 | B65H 18/02  | 4635933 | C04B 35/80   |
| 4635838 | B62M 3/08   | 4635886 | B65H 57/00  | 4635934 | C04B 37/00   |
| 4635839 | B63B 25/16  | 4635887 | B66B 1/24   | 4635935 | C04B 41/45   |
| 4635840 | B63H 25/12  | 4635888 | B66B 1/30   | 4635936 | C05G 3/00    |
| 4635841 | B64C 1/14   | 4635889 | B66B 1/32   | 4635937 | C07C 45/45   |
| 4635842 | B64C 1/14   | 4635890 | B66B 5/00   | 4635938 | C07C 231/12  |
| 4635843 | B64C 1/14   | 4635891 | B66C 13/12  | 4635939 | C07C 235/12  |
| 4635844 | B64C 3/14   | 4635892 | B66C 13/16  | 4635940 | C07C 271/04  |
| 4635845 | B64C 13/28  | 4635893 | B66C 13/18  | 4635941 | C07C 409/38  |
| 4635846 | B64C 27/02  | 4635894 | B66C 23/26  | 4635942 | C07D 215/38  |
| 4635847 | B64C 39/02  | 4635895 | B66C 23/82  | 4635943 | C07D 221/18  |
| 4635848 | B64D 11/02  | 4635896 | B66F 7/06   | 4635944 | C07D 221/22  |
| 4635849 | B64D 13/00  | 4635897 | B66F 7/08   | 4635945 | C07D 263/32  |
| 4635850 | B64D 15/12  | 4635898 | B66F 9/075  | 4635946 | C07D 295/135 |
| 4635851 | B64D 25/00  | 4635899 | B66F 9/075  | 4635947 | C07D 309/10  |
| 4635852 | B64D 31/18  | 4635900 | B67C 3/00   | 4635948 | C07D 401/04  |

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|---------|-------------|---------|-------------|---------|-------------|
| 4635949 | C07D 401/14 | 4635997 | C08F 279/04 | 4636045 | C09D 5/36   |
| 4635950 | C07D 405/14 | 4635998 | C08G 18/08  | 4636046 | C09D 11/322 |
| 4635951 | C07D 405/14 | 4635999 | C08G 18/20  | 4636047 | C09D 11/322 |
| 4635952 | C07D 409/12 | 4636000 | C08G 18/28  | 4636048 | C09D 11/322 |
| 4635953 | C07D 471/04 | 4636001 | C08G 18/40  | 4636049 | C09D 201/00 |
| 4635954 | C07D 471/04 | 4636002 | C08G 18/40  | 4636050 | C09J 7/24   |
| 4635955 | C07D 471/04 | 4636003 | C08G 18/40  | 4636051 | C09K 3/00   |
| 4635956 | C07D 487/04 | 4636004 | C08G 18/79  | 4636052 | C09K 3/14   |
| 4635957 | C07D 487/04 | 4636005 | C08G 59/02  | 4636053 | C09K 5/06   |
| 4635958 | C07D 498/22 | 4636006 | C08G 59/42  | 4636054 | C09K 11/06  |
| 4635959 | C07F 3/02   | 4636007 | C08G 59/50  | 4636055 | C09K 19/56  |
| 4635960 | C07F 5/02   | 4636008 | C08G 63/127 | 4636056 | C09K 23/56  |
| 4635961 | C07F 5/02   | 4636009 | C08G 64/04  | 4636057 | C10B 53/07  |
| 4635962 | C07F 7/18   | 4636010 | C08G 71/04  | 4636058 | C10L 3/08   |
| 4635963 | C07F 11/00  | 4636011 | C08G 73/10  | 4636059 | C10M 105/04 |
| 4635964 | C07F 15/00  | 4636012 | C08G 77/04  | 4636060 | C10M 105/34 |
| 4635965 | C07F 15/00  | 4636013 | C08J 3/075  | 4636061 | C10M 163/00 |
| 4635966 | C07H 15/12  | 4636014 | C08J 3/12   | 4636062 | C10M 171/00 |
| 4635967 | C07H 21/02  | 4636015 | C08J 5/18   | 4636063 | C11D 1/29   |
| 4635968 | C07J 41/00  | 4636016 | C08J 5/24   | 4636064 | C11D 1/825  |
| 4635969 | C07J 71/00  | 4636017 | C08J 9/00   | 4636065 | C11D 1/83   |
| 4635970 | C07K 4/00   | 4636018 | C08J 9/12   | 4636066 | C12M 1/00   |
| 4635971 | C07K 4/00   | 4636019 | C08J 11/10  | 4636067 | C12M 1/00   |
| 4635972 | C07K 5/06   | 4636020 | C08L 3/02   | 4636068 | C12M 1/00   |
| 4635973 | C07K 5/117  | 4636021 | C08L 23/04  | 4636069 | C12M 1/42   |
| 4635974 | C07K 7/06   | 4636022 | C08L 23/10  | 4636070 | C12M 3/00   |
| 4635975 | C07K 14/245 | 4636023 | C08L 23/12  | 4636071 | C12M 3/00   |
| 4635976 | C07K 14/705 | 4636024 | C08L 23/12  | 4636072 | C12N 1/00   |
| 4635977 | C07K 14/705 | 4636025 | C08L 23/12  | 4636073 | C12N 1/20   |
| 4635978 | C07K 14/725 | 4636026 | C08L 23/12  | 4636074 | C12N 5/00   |
| 4635979 | C07K 14/78  | 4636027 | C08L 23/16  | 4636075 | C12N 5/00   |
| 4635980 | C07K 16/00  | 4636028 | C08L 23/16  | 4636076 | C12N 5/00   |
| 4635981 | C07K 16/28  | 4636029 | C08L 25/12  | 4636077 | C12N 5/077  |
| 4635982 | C07K 16/28  | 4636030 | C08L 27/18  | 4636078 | C12N 5/0775 |
| 4635983 | C07K 16/28  | 4636031 | C08L 33/00  | 4636079 | C12N 5/079  |
| 4635984 | C07K 16/28  | 4636032 | C08L 51/04  | 4636080 | C12N 5/10   |
| 4635985 | C07K 16/30  | 4636033 | C08L 63/00  | 4636081 | C12N 9/10   |
| 4635986 | C07K 16/30  | 4636034 | C08L 67/00  | 4636082 | C12N 9/12   |
| 4635987 | C07K 16/46  | 4636035 | C08L 67/04  | 4636083 | C12N 15/10  |
| 4635988 | C07K 19/00  | 4636036 | C08L 67/04  | 4636084 | C12N 15/10  |
| 4635989 | C08F 2/40   | 4636037 | C08L 69/00  | 4636085 | C12N 15/113 |
| 4635990 | C08F 2/44   | 4636038 | C08L 69/00  | 4636086 | C12N 15/117 |
| 4635991 | C08F 210/16 | 4636039 | C08L 71/02  | 4636087 | C12N 15/13  |
| 4635992 | C08F 210/16 | 4636040 | C08L 71/12  | 4636088 | C12N 15/54  |
| 4635993 | C08F 210/16 | 4636041 | C08L 83/04  | 4636089 | C12N 15/63  |
| 4635994 | C08F 210/16 | 4636042 | C08L 83/07  | 4636090 | C12N 15/63  |
| 4635995 | C08F 214/26 | 4636043 | C09D 5/02   | 4636091 | C12N 15/63  |
| 4635996 | C08F 236/06 | 4636044 | C09D 5/20   | 4636092 | C12N 15/86  |

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|---------|-------------|---------|-------------|---------|-------------|
| 4636093 | C12N 15/86  | 4636141 | D01F 6/62   | 4636189 | E04C 5/16   |
| 4636094 | C12Q 1/68   | 4636142 | D01F 6/84   | 4636190 | E04F 11/06  |
| 4636095 | C12Q 1/68   | 4636143 | D01F 6/84   | 4636191 | E04F 11/18  |
| 4636096 | C12Q 1/6806 | 4636144 | D03D 11/00  | 4636192 | E04F 13/08  |
| 4636097 | C12Q 1/6886 | 4636145 | D03D 15/547 | 4636193 | E04F 15/02  |
| 4636098 | C21B 5/00   | 4636146 | D03D 49/02  | 4636194 | E04F 15/02  |
| 4636099 | C21B 7/24   | 4636147 | D04B 21/02  | 4636195 | E04G 1/15   |
| 4636100 | C22B 23/00  | 4636148 | D04B 27/06  | 4636196 | E04G 11/38  |
| 4636101 | C22B 26/12  | 4636149 | D06C 3/02   | 4636197 | E04G 11/38  |
| 4636102 | C22B 26/12  | 4636150 | D06F 34/10  | 4636198 | E04G 11/48  |
| 4636103 | C22B 26/12  | 4636151 | D06F 37/28  | 4636199 | E04G 23/08  |
| 4636104 | C22B 26/12  | 4636152 | D06F 39/02  | 4636200 | E04G 23/08  |
| 4636105 | C22B 59/00  | 4636153 | D06F 39/08  | 4636201 | E04H 4/16   |
| 4636106 | C22C 1/02   | 4636154 | D06F 39/14  | 4636202 | E04H 5/02   |
| 4636107 | C22C 19/05  | 4636155 | D06F 73/00  | 4636203 | E05B 1/00   |
| 4636108 | C22C 27/04  | 4636156 | D07B 1/16   | 4636204 | E05B 17/00  |
| 4636109 | C22C 38/00  | 4636157 | D21F 11/04  | 4636205 | E05B 85/26  |
| 4636110 | C22C 38/00  | 4636158 | D21H 11/18  | 4636206 | E05D 3/00   |
| 4636111 | C22C 38/00  | 4636159 | D21H 17/02  | 4636207 | E05D 7/081  |
| 4636112 | C22C 38/00  | 4636160 | E01D 21/00  | 4636208 | E05F 5/02   |
| 4636113 | C22C 38/04  | 4636161 | E01H 4/00   | 4636209 | E05F 5/06   |
| 4636114 | C22C 38/04  | 4636162 | E02B 17/02  | 4636210 | E05F 15/53  |
| 4636115 | C22C 38/04  | 4636163 | E02D 3/046  | 4636211 | E05F 15/622 |
| 4636116 | C22C 38/38  | 4636164 | E02D 5/80   | 4636212 | E05F 15/635 |
| 4636117 | C22C 38/38  | 4636165 | E02D 27/44  | 4636213 | E06B 3/46   |
| 4636118 | C22C 38/38  | 4636166 | E02D 29/00  | 4636214 | E06B 3/66   |
| 4636119 | C23C 2/06   | 4636167 | E02F 3/36   | 4636215 | E06B 3/677  |
| 4636120 | C23C 2/12   | 4636168 | E02F 3/36   | 4636216 | E06B 3/964  |
| 4636121 | C23C 2/12   | 4636169 | E02F 3/36   | 4636217 | E06B 7/21   |
| 4636122 | C23C 14/04  | 4636170 | E02F 3/36   | 4636218 | E06B 9/322  |
| 4636123 | C23C 14/04  | 4636171 | E02F 3/36   | 4636219 | E06B 9/52   |
| 4636124 | C23C 16/02  | 4636172 | E02F 9/20   | 4636220 | E21B 4/14   |
| 4636125 | C23C 16/04  | 4636173 | E02F 9/20   | 4636221 | E21B 47/11  |
| 4636126 | C23C 22/06  | 4636174 | E02F 9/24   | 4636222 | E21D 21/00  |
| 4636127 | C23C 22/20  | 4636175 | E02F 9/28   | 4636223 | F01C 21/10  |
| 4636128 | C23C 22/34  | 4636176 | E03B 7/04   | 4636224 | F01D 11/12  |
| 4636129 | C23C 22/34  | 4636177 | E03C 1/04   | 4636225 | F01D 15/10  |
| 4636130 | C23F 11/08  | 4636178 | E03C 1/18   | 4636226 | F01D 15/10  |
| 4636131 | C25B 1/02   | 4636179 | E03C 1/29   | 4636227 | F01D 15/10  |
| 4636132 | C25B 1/04   | 4636180 | E03D 1/36   | 4636228 | F01D 25/28  |
| 4636133 | C25B 9/23   | 4636181 | E03D 11/00  | 4636229 | F01K 13/00  |
| 4636134 | C25B 11/053 | 4636182 | E04B 1/24   | 4636230 | F01M 1/20   |
| 4636135 | C25D 1/02   | 4636183 | E04B 1/70   | 4636231 | F02B 19/18  |
| 4636136 | C25D 1/04   | 4636184 | E04B 5/02   | 4636232 | F02C 1/00   |
| 4636137 | C25D 1/04   | 4636185 | E04B 7/08   | 4636233 | F02C 3/22   |
| 4636138 | C25D 5/48   | 4636186 | E04C 2/12   | 4636234 | F02C 3/22   |
| 4636139 | C30B 29/36  | 4636187 | E04C 3/293  | 4636235 | F02C 3/30   |
| 4636140 | D01D 13/02  | 4636188 | E04C 5/16   | 4636236 | F02C 3/30   |

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|---------|-------------|---------|--------------|---------|-------------|
| 4636237 | F02C 7/224  | 4636285 | F16J 15/3244 | 4636333 | F24F 140/12 |
| 4636238 | F02D 41/00  | 4636286 | F16J 15/34   | 4636334 | F24H 3/04   |
| 4636239 | F02D 41/22  | 4636287 | F16J 15/44   | 4636335 | F24S 25/61  |
| 4636240 | F02K 9/97   | 4636288 | F16K 11/14   | 4636336 | F24S 50/20  |
| 4636241 | F02M 21/02  | 4636289 | F16K 17/04   | 4636337 | F25B 30/02  |
| 4636242 | F02M 59/36  | 4636290 | F16K 31/04   | 4636338 | F25C 1/045  |
| 4636243 | F03D 1/02   | 4636291 | F16L 3/02    | 4636339 | F25C 5/08   |
| 4636244 | F03D 13/40  | 4636292 | F16L 3/10    | 4636340 | F25D 23/02  |
| 4636245 | F03D 15/00  | 4636293 | F16L 21/02   | 4636341 | F25D 27/00  |
| 4636246 | F04B 15/06  | 4636294 | F16L 33/22   | 4636342 | F27B 7/24   |
| 4636247 | F04B 15/08  | 4636295 | F16L 55/11   | 4636343 | F27B 9/00   |
| 4636248 | F04B 35/00  | 4636296 | F16M 11/12   | 4636344 | F28D 15/02  |
| 4636249 | F04B 37/12  | 4636297 | F17C 3/04    | 4636345 | F28D 15/02  |
| 4636250 | F04C 2/08   | 4636298 | F17C 7/00    | 4636346 | F28D 20/00  |
| 4636251 | F04C 18/02  | 4636299 | F17C 13/00   | 4636347 | F28F 1/02   |
| 4636252 | F04D 29/42  | 4636300 | F21S 41/24   | 4636348 | F41A 23/00  |
| 4636253 | F04D 29/42  | 4636301 | F21S 41/25   | 4636349 | F41F 3/077  |
| 4636254 | F04D 29/42  | 4636302 | F21S 43/20   | 4636350 | F41H 11/136 |
| 4636255 | F04D 29/42  | 4636303 | F21S 43/27   | 4636351 | G01B 11/06  |
| 4636256 | F04D 29/64  | 4636304 | F21V 5/00    | 4636352 | G01B 11/22  |
| 4636257 | F15B 9/12   | 4636305 | F21V 7/00    | 4636353 | G01B 11/30  |
| 4636258 | F15B 11/00  | 4636306 | F21V 13/04   | 4636354 | G01B 21/20  |
| 4636259 | F15B 11/068 | 4636307 | F22B 1/28    | 4636355 | G01C 3/06   |
| 4636260 | F15B 13/08  | 4636308 | F23D 14/06   | 4636356 | G01C 21/00  |
| 4636261 | F15B 13/08  | 4636309 | F23G 5/50    | 4636357 | G01C 21/30  |
| 4636262 | F15B 15/10  | 4636310 | F23N 1/02    | 4636358 | G01C 21/34  |
| 4636263 | F16B 2/10   | 4636311 | F23R 3/14    | 4636359 | G01C 21/36  |
| 4636264 | F16B 5/00   | 4636312 | F23R 3/28    | 4636360 | G01D 5/14   |
| 4636265 | F16B 5/02   | 4636313 | F24B 1/18    | 4636361 | G01D 5/347  |
| 4636266 | F16B 5/06   | 4636314 | F24C 7/08    | 4636362 | G01D 5/353  |
| 4636267 | F16B 19/10  | 4636315 | F24C 15/02   | 4636363 | G01D 9/00   |
| 4636268 | F16B 25/00  | 4636316 | F24C 15/02   | 4636364 | G01F 1/66   |
| 4636269 | F16B 43/00  | 4636317 | F24C 15/20   | 4636365 | G01F 23/20  |
| 4636270 | F16C 7/02   | 4636318 | F24C 15/20   | 4636366 | G01G 19/56  |
| 4636271 | F16C 11/06  | 4636319 | F24D 3/08    | 4636367 | G01H 1/00   |
| 4636272 | F16C 19/06  | 4636320 | F24D 5/02    | 4636368 | G01H 1/04   |
| 4636273 | F16C 32/04  | 4636321 | F24D 12/02   | 4636369 | G01J 3/02   |
| 4636274 | F16D 3/205  | 4636322 | F24D 19/10   | 4636370 | G01K 7/42   |
| 4636275 | F16D 66/00  | 4636323 | F24F 1/00    | 4636371 | G01K 17/04  |
| 4636276 | F16F 9/16   | 4636324 | F24F 1/02    | 4636372 | G01L 1/14   |
| 4636277 | F16F 9/32   | 4636325 | F24F 7/00    | 4636373 | G01L 19/00  |
| 4636278 | F16F 9/49   | 4636326 | F24F 8/108   | 4636374 | G01M 3/00   |
| 4636279 | F16F 15/31  | 4636327 | F24F 11/54   | 4636375 | G01M 3/26   |
| 4636280 | F16H 15/38  | 4636328 | F24F 11/54   | 4636376 | G01M 11/00  |
| 4636281 | F16H 48/24  | 4636329 | F24F 11/63   | 4636377 | G01M 17/02  |
| 4636282 | F16H 57/04  | 4636330 | F24F 11/64   | 4636378 | G01M 99/00  |
| 4636283 | F16H 57/04  | 4636331 | F24F 12/00   | 4636379 | G01N 1/04   |
| 4636284 | F16J 15/18  | 4636332 | F24F 13/30   | 4636380 | G01N 1/06   |

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|---------|-------------|---------|-------------|---------|--------------|
| 4636381 | G01N 1/14   | 4636429 | G01R 33/565 | 4636477 | G03F 1/24    |
| 4636382 | G01N 3/12   | 4636430 | G01R 33/565 | 4636478 | G03F 1/62    |
| 4636383 | G01N 3/40   | 4636431 | G01S 5/02   | 4636479 | G03F 7/00    |
| 4636384 | G01N 7/04   | 4636432 | G01S 5/12   | 4636480 | G03F 7/00    |
| 4636385 | G01N 15/04  | 4636433 | G01S 7/02   | 4636481 | G03F 7/00    |
| 4636386 | G01N 15/08  | 4636434 | G01S 7/41   | 4636482 | G03F 7/00    |
| 4636387 | G01N 17/00  | 4636435 | G01S 7/48   | 4636483 | G03F 7/00    |
| 4636388 | G01N 21/05  | 4636436 | G01S 7/4863 | 4636484 | G03F 7/00    |
| 4636389 | G01N 21/45  | 4636437 | G01S 7/487  | 4636485 | G03F 7/037   |
| 4636390 | G01N 21/65  | 4636438 | G01S 11/02  | 4636486 | G03F 7/11    |
| 4636391 | G01N 21/65  | 4636439 | G01S 13/931 | 4636487 | G03F 7/11    |
| 4636392 | G01N 21/88  | 4636440 | G01S 19/46  | 4636488 | G03F 7/20    |
| 4636393 | G01N 25/00  | 4636441 | G01T 1/20   | 4636489 | G03F 7/26    |
| 4636394 | G01N 27/30  | 4636442 | G01V 8/10   | 4636490 | G03G 9/087   |
| 4636395 | G01N 27/62  | 4636443 | G01V 8/20   | 4636491 | G03G 9/087   |
| 4636396 | G01N 27/904 | 4636444 | G02B 5/20   | 4636492 | G03G 9/09    |
| 4636397 | G01N 29/22  | 4636445 | G02B 5/30   | 4636493 | G03G 15/00   |
| 4636398 | G01N 31/22  | 4636446 | G02B 6/00   | 4636494 | G03G 15/00   |
| 4636399 | G01N 33/08  | 4636447 | G02B 6/12   | 4636495 | G03G 15/04   |
| 4636400 | G01N 33/48  | 4636448 | G02B 6/42   | 4636496 | G03G 15/08   |
| 4636401 | G01N 33/50  | 4636449 | G02B 6/42   | 4636497 | G03G 15/08   |
| 4636402 | G01N 33/574 | 4636450 | G02B 6/42   | 4636498 | G03G 15/08   |
| 4636403 | G01N 33/68  | 4636451 | G02B 6/44   | 4636499 | G03G 15/08   |
| 4636404 | G01N 33/86  | 4636452 | G02B 6/44   | 4636500 | G03G 15/08   |
| 4636405 | G01N 35/00  | 4636453 | G02B 15/14  | 4636501 | G03G 15/20   |
| 4636406 | G01N 35/02  | 4636454 | G02B 21/24  | 4636502 | G03G 15/20   |
| 4636407 | G01R 15/18  | 4636455 | G02B 21/26  | 4636503 | G03G 15/20   |
| 4636408 | G01R 15/18  | 4636456 | G02B 21/36  | 4636504 | G03G 21/16   |
| 4636409 | G01R 15/20  | 4636457 | G02B 25/00  | 4636505 | G03G 21/18   |
| 4636410 | G01R 19/165 | 4636458 | G02B 26/10  | 4636506 | G04B 1/16    |
| 4636411 | G01R 22/06  | 4636459 | G02B 27/00  | 4636507 | G04B 19/18   |
| 4636412 | G01R 27/02  | 4636460 | G02B 27/01  | 4636508 | G04B 27/00   |
| 4636413 | G01R 31/00  | 4636461 | G02B 27/01  | 4636509 | G04G 17/04   |
| 4636414 | G01R 31/08  | 4636462 | G02B 27/01  | 4636510 | G05B 13/02   |
| 4636415 | G01R 31/327 | 4636463 | G02C 5/12   | 4636511 | G05B 13/02   |
| 4636416 | G01R 31/34  | 4636464 | G02C 7/10   | 4636512 | G05B 19/042  |
| 4636417 | G01R 31/367 | 4636465 | G02C 7/10   | 4636513 | G05B 19/042  |
| 4636418 | G01R 31/367 | 4636466 | G02C 7/10   | 4636514 | G05B 19/042  |
| 4636419 | G01R 31/367 | 4636467 | G02F 1/13   | 4636515 | G05B 19/05   |
| 4636420 | G01R 31/388 | 4636468 | G02F 1/133  | 4636516 | G05B 19/409  |
| 4636421 | G01R 31/392 | 4636469 | G02F 1/1335 | 4636517 | G05B 19/4099 |
| 4636422 | G01R 31/392 | 4636470 | G02F 1/1335 | 4636518 | G05B 19/418  |
| 4636423 | G01R 31/396 | 4636471 | G02F 1/15   | 4636519 | G05B 23/02   |
| 4636424 | G01R 31/52  | 4636472 | G02F 1/313  | 4636520 | G05B 23/02   |
| 4636425 | G01R 31/58  | 4636473 | G03B 5/00   | 4636521 | G05B 23/02   |
| 4636426 | G01R 31/64  | 4636474 | G03B 15/03  | 4636522 | G05D 1/00    |
| 4636427 | G01R 33/00  | 4636475 | G03B 21/14  | 4636523 | G05D 1/00    |
| 4636428 | G01R 33/563 | 4636476 | G03F 1/22   | 4636524 | G05D 1/222   |

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|---------|-------------|---------|--------------|---------|--------------|
| 4636525 | G05D 1/243  | 4636573 | G06F 8/10    | 4636621 | G06F 21/55   |
| 4636526 | G05D 1/245  | 4636574 | G06F 8/30    | 4636622 | G06F 21/55   |
| 4636527 | G05D 1/43   | 4636575 | G06F 8/30    | 4636623 | G06F 21/55   |
| 4636528 | G05D 1/43   | 4636576 | G06F 8/33    | 4636624 | G06F 21/55   |
| 4636529 | G05D 23/13  | 4636577 | G06F 8/33    | 4636625 | G06F 21/55   |
| 4636530 | G05D 23/13  | 4636578 | G06F 8/41    | 4636626 | G06F 21/56   |
| 4636531 | G05F 3/24   | 4636579 | G06F 8/65    | 4636627 | G06F 21/56   |
| 4636532 | G05G 5/00   | 4636580 | G06F 8/65    | 4636628 | G06F 21/57   |
| 4636533 | G06E 1/00   | 4636581 | G06F 8/65    | 4636629 | G06F 21/57   |
| 4636534 | G06F 1/04   | 4636582 | G06F 8/65    | 4636630 | G06F 21/57   |
| 4636535 | G06F 1/12   | 4636583 | G06F 8/71    | 4636631 | G06F 21/62   |
| 4636536 | G06F 1/16   | 4636584 | G06F 9/445   | 4636632 | G06F 21/62   |
| 4636537 | G06F 1/24   | 4636585 | G06F 9/451   | 4636633 | G06F 21/62   |
| 4636538 | G06F 1/3203 | 4636586 | G06F 9/455   | 4636634 | G06F 21/86   |
| 4636539 | G06F 1/3234 | 4636587 | G06F 9/455   | 4636635 | G06F 30/13   |
| 4636540 | G06F 3/01   | 4636588 | G06F 9/455   | 4636636 | G06F 30/15   |
| 4636541 | G06F 3/01   | 4636589 | G06F 9/455   | 4636637 | G06F 30/15   |
| 4636542 | G06F 3/01   | 4636590 | G06F 9/48    | 4636638 | G06F 30/17   |
| 4636543 | G06F 3/01   | 4636591 | G06F 9/48    | 4636639 | G06F 30/20   |
| 4636544 | G06F 3/01   | 4636592 | G06F 9/54    | 4636640 | G06F 30/20   |
| 4636545 | G06F 3/01   | 4636593 | G06F 11/07   | 4636641 | G06F 40/174  |
| 4636546 | G06F 3/01   | 4636594 | G06F 11/14   | 4636642 | G06K 1/12    |
| 4636547 | G06F 3/01   | 4636595 | G06F 11/14   | 4636643 | G06K 7/10    |
| 4636548 | G06F 3/01   | 4636596 | G06F 11/20   | 4636644 | G06K 19/07   |
| 4636549 | G06F 3/039  | 4636597 | G06F 11/34   | 4636645 | G06K 19/077  |
| 4636550 | G06F 3/041  | 4636598 | G06F 11/3668 | 4636646 | G06N 3/045   |
| 4636551 | G06F 3/0481 | 4636599 | G06F 12/02   | 4636647 | G06N 3/045   |
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| 4636553 | G06F 3/0481 | 4636601 | G06F 12/08   | 4636649 | G06N 3/045   |
| 4636554 | G06F 3/0481 | 4636602 | G06F 12/0888 | 4636650 | G06N 3/0475  |
| 4636555 | G06F 3/0481 | 4636603 | G06F 12/14   | 4636651 | G06N 3/0475  |
| 4636556 | G06F 3/0484 | 4636604 | G06F 13/12   | 4636652 | G06N 3/08    |
| 4636557 | G06F 3/0484 | 4636605 | G06F 16/176  | 4636653 | G06N 3/10    |
| 4636558 | G06F 3/0484 | 4636606 | G06F 16/21   | 4636654 | G06N 5/01    |
| 4636559 | G06F 3/0488 | 4636607 | G06F 16/22   | 4636655 | G06N 5/045   |
| 4636560 | G06F 3/0488 | 4636608 | G06F 16/23   | 4636656 | G06N 10/20   |
| 4636561 | G06F 3/0488 | 4636609 | G06F 16/2453 | 4636657 | G06N 10/20   |
| 4636562 | G06F 3/0488 | 4636610 | G06F 16/901  | 4636658 | G06N 10/40   |
| 4636563 | G06F 3/06   | 4636611 | G06F 16/901  | 4636659 | G06N 10/40   |
| 4636564 | G06F 3/06   | 4636612 | G06F 16/9032 | 4636660 | G06N 20/00   |
| 4636565 | G06F 3/12   | 4636613 | G06F 16/957  | 4636661 | G06N 20/00   |
| 4636566 | G06F 3/14   | 4636614 | G06F 18/2134 | 4636662 | G06N 20/00   |
| 4636567 | G06F 3/14   | 4636615 | G06F 21/12   | 4636663 | G06N 20/10   |
| 4636568 | G06F 3/14   | 4636616 | G06F 21/32   | 4636664 | G06N 20/10   |
| 4636569 | G06F 3/16   | 4636617 | G06F 21/32   | 4636665 | G06N 99/00   |
| 4636570 | G06F 7/499  | 4636618 | G06F 21/32   | 4636666 | G06Q 10/08   |
| 4636571 | G06F 7/76   | 4636619 | G06F 21/45   | 4636667 | G06Q 10/0833 |
| 4636572 | G06F 7/76   | 4636620 | G06F 21/45   | 4636668 | G06Q 10/0836 |

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|---------|--------------|---------|--------------|---------|--------------|
| 4636669 | G06Q 20/00   | 4636717 | G06V 40/20   | 4636765 | G11B 27/031  |
| 4636670 | G06Q 20/02   | 4636718 | G07C 5/08    | 4636766 | G11C 11/16   |
| 4636671 | G06Q 20/06   | 4636719 | G07C 9/00    | 4636767 | G11C 13/00   |
| 4636672 | G06Q 20/22   | 4636720 | G07C 9/00    | 4636768 | G11C 19/28   |
| 4636673 | G06Q 20/40   | 4636721 | G07F 17/32   | 4636769 | G11C 29/00   |
| 4636674 | G06Q 30/0283 | 4636722 | G08B 7/06    | 4636770 | G11C 29/00   |
| 4636675 | G06Q 30/0601 | 4636723 | G08B 13/00   | 4636771 | G16B 15/00   |
| 4636676 | G06Q 40/04   | 4636724 | G08B 25/00   | 4636772 | G16B 30/00   |
| 4636677 | G06Q 50/04   | 4636725 | G08B 29/18   | 4636773 | G16B 40/00   |
| 4636678 | G06Q 50/10   | 4636726 | G08G 1/00    | 4636774 | G16B 40/00   |
| 4636679 | G06Q 50/10   | 4636727 | G08G 1/00    | 4636775 | G16C 60/00   |
| 4636680 | G06Q 50/12   | 4636728 | G08G 1/00    | 4636776 | G16H 20/13   |
| 4636681 | G06T 1/00    | 4636729 | G08G 1/0967  | 4636777 | G16H 20/40   |
| 4636682 | G06T 3/00    | 4636730 | G08G 1/123   | 4636778 | G16H 30/40   |
| 4636683 | G06T 5/90    | 4636731 | G08G 1/16    | 4636779 | G16H 40/60   |
| 4636684 | G06T 5/90    | 4636732 | G08G 5/00    | 4636780 | G16H 50/20   |
| 4636685 | G06T 7/00    | 4636733 | G08G 5/00    | 4636781 | G16H 50/20   |
| 4636686 | G06T 7/00    | 4636734 | G08G 5/00    | 4636782 | G16H 50/30   |
| 4636687 | G06T 7/00    | 4636735 | G08G 5/22    | 4636783 | G16H 50/70   |
| 4636688 | G06T 7/00    | 4636736 | G09B 5/04    | 4636784 | G21D 5/02    |
| 4636689 | G06T 7/11    | 4636737 | G09C 1/00    | 4636785 | H01B 5/14    |
| 4636690 | G06T 7/20    | 4636738 | G09F 9/30    | 4636786 | H01B 13/00   |
| 4636691 | G06T 7/246   | 4636739 | G09F 9/302   | 4636787 | H01B 17/30   |
| 4636692 | G06T 7/292   | 4636740 | G09F 9/33    | 4636788 | H01B 17/54   |
| 4636693 | G06T 7/38    | 4636741 | G09F 27/00   | 4636789 | H01F 1/053   |
| 4636694 | G06T 7/50    | 4636742 | G09G 3/00    | 4636790 | H01F 1/44    |
| 4636695 | G06T 7/73    | 4636743 | G09G 3/20    | 4636791 | H01F 6/02    |
| 4636696 | G06T 7/73    | 4636744 | G09G 3/20    | 4636792 | H01F 17/06   |
| 4636697 | G06T 9/00    | 4636745 | G09G 3/20    | 4636793 | H01F 27/32   |
| 4636698 | G06T 9/00    | 4636746 | G09G 3/32    | 4636794 | H01F 41/02   |
| 4636699 | G06T 11/00   | 4636747 | G09G 3/3233  | 4636795 | H01F 41/094  |
| 4636700 | G06T 11/00   | 4636748 | G09G 3/34    | 4636796 | H01G 4/012   |
| 4636701 | G06T 11/40   | 4636749 | G09G 3/36    | 4636797 | H01G 4/30    |
| 4636702 | G06T 11/60   | 4636750 | G09G 5/00    | 4636798 | H01H 5/02    |
| 4636703 | G06T 15/50   | 4636751 | G09G 5/14    | 4636799 | H01H 5/02    |
| 4636704 | G06T 19/00   | 4636752 | G09G 5/377   | 4636800 | H01H 9/16    |
| 4636705 | G06V 10/20   | 4636753 | G10D 1/08    | 4636801 | H01J 1/22    |
| 4636706 | G06V 10/26   | 4636754 | G10H 1/00    | 4636802 | H01J 37/244  |
| 4636707 | G06V 10/44   | 4636755 | G10K 11/168  | 4636803 | H01J 43/24   |
| 4636708 | G06V 10/764  | 4636756 | G10L 13/08   | 4636804 | H01J 49/00   |
| 4636709 | G06V 10/82   | 4636757 | G10L 19/04   | 4636805 | H01J 49/06   |
| 4636710 | G06V 10/98   | 4636758 | G10L 19/24   | 4636806 | H01J 65/04   |
| 4636711 | G06V 20/52   | 4636759 | G10L 19/26   | 4636807 | H01L /       |
| 4636712 | G06V 20/52   | 4636760 | G10L 21/007  | 4636808 | H01L 21/02   |
| 4636713 | G06V 20/52   | 4636761 | G10L 21/028  | 4636809 | H01L 21/18   |
| 4636714 | G06V 20/64   | 4636762 | G10L 21/0364 | 4636810 | H01L 21/304  |
| 4636715 | G06V 40/18   | 4636763 | G10L 21/055  | 4636811 | H01L 21/3065 |
| 4636716 | G06V 40/20   | 4636764 | G10L 21/10   | 4636812 | H01L 21/50   |

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|---------|--------------|---------|--------------|---------|-------------|
| 4636813 | H01L 21/66   | 4636861 | H01M 4/36    | 4636909 | H01M 10/647 |
| 4636814 | H01L 21/67   | 4636862 | H01M 4/52    | 4636910 | H01M 10/647 |
| 4636815 | H01L 21/67   | 4636863 | H01M 4/525   | 4636911 | H01M 50/103 |
| 4636816 | H01L 21/677  | 4636864 | H01M 4/525   | 4636912 | H01M 50/105 |
| 4636817 | H01L 21/768  | 4636865 | H01M 4/525   | 4636913 | H01M 50/105 |
| 4636818 | H01L 21/768  | 4636866 | H01M 4/525   | 4636914 | H01M 50/147 |
| 4636819 | H01L 21/78   | 4636867 | H01M 4/525   | 4636915 | H01M 50/167 |
| 4636820 | H01L 21/822  | 4636868 | H01M 4/58    | 4636916 | H01M 50/178 |
| 4636821 | H01L 23/02   | 4636869 | H01M 4/583   | 4636917 | H01M 50/186 |
| 4636822 | H01L 23/373  | 4636870 | H01M 4/62    | 4636918 | H01M 50/204 |
| 4636823 | H01L 23/473  | 4636871 | H01M 8/0408  | 4636919 | H01M 50/24  |
| 4636824 | H01L 23/528  | 4636872 | H01M 8/0411  | 4636920 | H01M 50/258 |
| 4636825 | H01L 23/552  | 4636873 | H01M 8/0431  | 4636921 | H01M 50/289 |
| 4636826 | H01L 23/552  | 4636874 | H01M 10/04   | 4636922 | H01M 50/30  |
| 4636827 | H01L 25/18   | 4636875 | H01M 10/04   | 4636923 | H01M 50/30  |
| 4636828 | H01L 27/06   | 4636876 | H01M 10/04   | 4636924 | H01M 50/342 |
| 4636829 | H01L 31/00   | 4636877 | H01M 10/04   | 4636925 | H01M 50/367 |
| 4636830 | H01L 31/0224 | 4636878 | H01M 10/04   | 4636926 | H01M 50/383 |
| 4636831 | H01L 31/0224 | 4636879 | H01M 10/04   | 4636927 | H01M 50/383 |
| 4636832 | H01M 4/04    | 4636880 | H01M 10/04   | 4636928 | H01M 50/383 |
| 4636833 | H01M 4/04    | 4636881 | H01M 10/04   | 4636929 | H01M 50/449 |
| 4636834 | H01M 4/04    | 4636882 | H01M 10/04   | 4636930 | H01M 50/449 |
| 4636835 | H01M 4/13    | 4636883 | H01M 10/04   | 4636931 | H01M 50/451 |
| 4636836 | H01M 4/13    | 4636884 | H01M 10/04   | 4636932 | H01M 50/451 |
| 4636837 | H01M 4/131   | 4636885 | H01M 10/04   | 4636933 | H01M 50/503 |
| 4636838 | H01M 4/131   | 4636886 | H01M 10/052  | 4636934 | H01M 50/516 |
| 4636839 | H01M 4/131   | 4636887 | H01M 10/0562 | 4636935 | H01M 50/519 |
| 4636840 | H01M 4/133   | 4636888 | H01M 10/0567 | 4636936 | H01M 50/528 |
| 4636841 | H01M 4/133   | 4636889 | H01M 10/0567 | 4636937 | H01M 50/531 |
| 4636842 | H01M 4/133   | 4636890 | H01M 10/0568 | 4636938 | H01M 50/531 |
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| 4636844 | H01M 4/134   | 4636892 | H01M 10/0569 | 4636940 | H01M 50/536 |
| 4636845 | H01M 4/134   | 4636893 | H01M 10/058  | 4636941 | H01M 50/552 |
| 4636846 | H01M 4/136   | 4636894 | H01M 10/058  | 4636942 | H01M 50/559 |
| 4636847 | H01M 4/36    | 4636895 | H01M 10/0585 | 4636943 | H01M 50/627 |
| 4636848 | H01M 4/36    | 4636896 | H01M 10/0585 | 4636944 | H01M 50/691 |
| 4636849 | H01M 4/36    | 4636897 | H01M 10/0585 | 4636945 | H01P 1/02   |
| 4636850 | H01M 4/36    | 4636898 | H01M 10/0585 | 4636946 | H01P 1/213  |
| 4636851 | H01M 4/36    | 4636899 | H01M 10/0587 | 4636947 | H01P 5/107  |
| 4636852 | H01M 4/36    | 4636900 | H01M 10/0587 | 4636948 | H01Q 1/22   |
| 4636853 | H01M 4/36    | 4636901 | H01M 10/42   | 4636949 | H01Q 1/24   |
| 4636854 | H01M 4/36    | 4636902 | H01M 10/42   | 4636950 | H01Q 1/38   |
| 4636855 | H01M 4/36    | 4636903 | H01M 10/42   | 4636951 | H01Q 1/38   |
| 4636856 | H01M 4/36    | 4636904 | H01M 10/42   | 4636952 | H01Q 5/378  |
| 4636857 | H01M 4/36    | 4636905 | H01M 10/54   | 4636953 | H01Q 15/02  |
| 4636858 | H01M 4/36    | 4636906 | H01M 10/613  | 4636954 | H01Q 21/28  |
| 4636859 | H01M 4/36    | 4636907 | H01M 10/613  | 4636955 | H01R 4/48   |
| 4636860 | H01M 4/36    | 4636908 | H01M 10/615  | 4636956 | H01R 4/62   |

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| 4636957 | H01R 9/05    | 4637005 | H02K 33/16   | 4637053 | H04B 10/60   |
| 4636958 | H01R 13/11   | 4637006 | H02K 33/16   | 4637054 | H04B 17/309  |
| 4636959 | H01R 13/187  | 4637007 | H02K 41/02   | 4637055 | H04B 17/382  |
| 4636960 | H01R 13/6595 | 4637008 | H02M 1/00    | 4637056 | H04H 20/08   |
| 4636961 | H01R 39/02   | 4637009 | H02M 1/08    | 4637057 | H04H 20/22   |
| 4636962 | H01S 5/024   | 4637010 | H02M 1/32    | 4637058 | H04H 20/42   |
| 4636963 | H02B 1/28    | 4637011 | H02M 1/32    | 4637059 | H04L 1/00    |
| 4636964 | H02B 13/025  | 4637012 | H02M 3/00    | 4637060 | H04L 1/00    |
| 4636965 | H02G 3/04    | 4637013 | H02M 3/155   | 4637061 | H04L 1/1607  |
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| 4636967 | H02H 5/00    | 4637015 | H02M 7/219   | 4637063 | H04L 1/18    |
| 4636968 | H02J 1/08    | 4637016 | H02M 7/48    | 4637064 | H04L 1/18    |
| 4636969 | H02J 1/14    | 4637017 | H02M 7/487   | 4637065 | H04L 1/18    |
| 4636970 | H02J 3/00    | 4637018 | H02M 7/5387  | 4637066 | H04L 1/1829  |
| 4636971 | H02J 3/00    | 4637019 | H02N 2/18    | 4637067 | H04L 5/00    |
| 4636972 | H02J 3/00    | 4637020 | H02N 2/18    | 4637068 | H04L 5/00    |
| 4636973 | H02J 3/14    | 4637021 | H02P 3/18    | 4637069 | H04L 5/00    |
| 4636974 | H02J 3/18    | 4637022 | H02P 6/15    | 4637070 | H04L 5/00    |
| 4636975 | H02J 3/24    | 4637023 | H02P 21/00   | 4637071 | H04L 5/00    |
| 4636976 | H02J 3/32    | 4637024 | H02P 29/66   | 4637072 | H04L 5/14    |
| 4636977 | H02J 3/36    | 4637025 | H02S 20/32   | 4637073 | H04L 5/14    |
| 4636978 | H02J 3/38    | 4637026 | H02S 40/00   | 4637074 | H04L 9/00    |
| 4636979 | H02J 7/00    | 4637027 | H03B 5/36    | 4637075 | H04L 9/00    |
| 4636980 | H02J 7/00    | 4637028 | H03F 1/02    | 4637076 | H04L 9/08    |
| 4636981 | H02J 7/00    | 4637029 | H03F 1/02    | 4637077 | H04L 9/32    |
| 4636982 | H02J 7/00    | 4637030 | H03F 3/34    | 4637078 | H04L 9/40    |
| 4636983 | H02J 7/00    | 4637031 | H03H 9/17    | 4637079 | H04L 9/40    |
| 4636984 | H02J 7/00    | 4637032 | H03K 3/02    | 4637080 | H04L 9/40    |
| 4636985 | H02J 7/00    | 4637033 | H03K 5/12    | 4637081 | H04L 9/40    |
| 4636986 | H02J 7/34    | 4637034 | H03K 17/0812 | 4637082 | H04L 12/10   |
| 4636987 | H02J 7/34    | 4637035 | H03K 17/13   | 4637083 | H04L 12/18   |
| 4636988 | H02J 15/00   | 4637036 | H03M 1/10    | 4637084 | H04L 12/18   |
| 4636989 | H02J 50/10   | 4637037 | H03M 1/50    | 4637085 | H04L 12/40   |
| 4636990 | H02J 50/12   | 4637038 | H03M 13/29   | 4637086 | H04L 12/40   |
| 4636991 | H02J 50/30   | 4637039 | H04B 1/12    | 4637087 | H04L 12/40   |
| 4636992 | H02K 1/16    | 4637040 | H04B 3/54    | 4637088 | H04L 25/02   |
| 4636993 | H02K 1/18    | 4637041 | H04B 5/77    | 4637089 | H04L 27/00   |
| 4636994 | H02K 1/24    | 4637042 | H04B 7/04    | 4637090 | H04L 27/00   |
| 4636995 | H02K 1/32    | 4637043 | H04B 7/06    | 4637091 | H04L 27/00   |
| 4636996 | H02K 3/493   | 4637044 | H04B 7/06    | 4637092 | H04L 27/00   |
| 4636997 | H02K 3/50    | 4637045 | H04B 7/06    | 4637093 | H04L 27/26   |
| 4636998 | H02K 5/22    | 4637046 | H04B 7/08    | 4637094 | H04L 27/26   |
| 4636999 | H02K 5/24    | 4637047 | H04B 7/08    | 4637095 | H04L 41/0803 |
| 4637000 | H02K 11/20   | 4637048 | H04B 7/185   | 4637096 | H04L 41/0803 |
| 4637001 | H02K 15/00   | 4637049 | H04B 10/071  | 4637097 | H04L 41/0806 |
| 4637002 | H02K 15/12   | 4637050 | H04B 10/071  | 4637098 | H04L 41/082  |
| 4637003 | H02K 16/04   | 4637051 | H04B 10/112  | 4637099 | H04L 41/082  |
| 4637004 | H02K 17/16   | 4637052 | H04B 10/272  | 4637100 | H04L 41/0896 |

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| 4637101 | H04L 41/16   | 4637149 | H04N 19/176  | 4637197 | H04W 12/71   |
| 4637102 | H04L 43/08   | 4637150 | H04N 19/182  | 4637198 | H04W 16/06   |
| 4637103 | H04L 45/02   | 4637151 | H04N 19/30   | 4637199 | H04W 16/18   |
| 4637104 | H04L 45/741  | 4637152 | H04N 19/463  | 4637200 | H04W 16/28   |
| 4637105 | H04L 45/745  | 4637153 | H04N 19/513  | 4637201 | H04W 24/02   |
| 4637106 | H04L 47/125  | 4637154 | H04N 19/523  | 4637202 | H04W 24/02   |
| 4637107 | H04L 51/046  | 4637155 | H04N 19/61   | 4637203 | H04W 24/02   |
| 4637108 | H04L 51/10   | 4637156 | H04N 19/70   | 4637204 | H04W 24/08   |
| 4637109 | H04L 51/52   | 4637157 | H04N 19/70   | 4637205 | H04W 24/10   |
| 4637110 | H04L 65/1033 | 4637158 | H04N 19/70   | 4637206 | H04W 24/10   |
| 4637111 | H04L 65/80   | 4637159 | H04N 19/70   | 4637207 | H04W 24/10   |
| 4637112 | H04L 67/10   | 4637160 | H04N 19/85   | 4637208 | H04W 28/02   |
| 4637113 | H04L 67/10   | 4637161 | H04N 21/233  | 4637209 | H04W 28/08   |
| 4637114 | H04L 67/10   | 4637162 | H04N 21/2343 | 4637210 | H04W 28/16   |
| 4637115 | H04L 67/10   | 4637163 | H04N 21/44   | 4637211 | H04W 28/16   |
| 4637116 | H04L 67/1008 | 4637164 | H04N 21/442  | 4637212 | H04W 40/02   |
| 4637117 | H04L 67/125  | 4637165 | H04N 21/443  | 4637213 | H04W 48/02   |
| 4637118 | H04L 67/51   | 4637166 | H04N 21/4788 | 4637214 | H04W 48/16   |
| 4637119 | H04L 67/52   | 4637167 | H04N 21/845  | 4637215 | H04W 48/18   |
| 4637120 | H04L 67/5681 | 4637168 | H04N 23/60   | 4637216 | H04W 48/18   |
| 4637121 | H04L 67/63   | 4637169 | H04N 23/60   | 4637217 | H04W 48/20   |
| 4637122 | H04L 69/40   | 4637170 | H04N 23/63   | 4637218 | H04W 52/02   |
| 4637123 | H04M 1/02    | 4637171 | H04N 23/743  | 4637219 | H04W 52/02   |
| 4637124 | H04M 1/02    | 4637172 | H04N 25/445  | 4637220 | H04W 52/02   |
| 4637125 | H04M 1/7245  | 4637173 | H04N 25/47   | 4637221 | H04W 52/02   |
| 4637126 | H04M 1/7245  | 4637174 | H04N 25/532  | 4637222 | H04W 52/02   |
| 4637127 | H04M 1/725   | 4637175 | H04N 25/616  | 4637223 | H04W 52/02   |
| 4637128 | H04M 11/02   | 4637176 | H04N 25/709  | 4637224 | H04W 52/02   |
| 4637129 | H04N 1/00    | 4637177 | H04N 25/76   | 4637225 | H04W 52/52   |
| 4637130 | H04N 1/00    | 4637178 | H04Q 9/00    | 4637226 | H04W 56/00   |
| 4637131 | H04N 5/208   | 4637179 | H04Q 11/00   | 4637227 | H04W 56/00   |
| 4637132 | H04N 7/14    | 4637180 | H04R 1/28    | 4637228 | H04W 56/00   |
| 4637133 | H04N 7/18    | 4637181 | H04R 1/34    | 4637229 | H04W 60/00   |
| 4637134 | H04N 9/68    | 4637182 | H04R 3/02    | 4637230 | H04W 60/04   |
| 4637135 | H04N 13/133  | 4637183 | H04R 5/00    | 4637231 | H04W 64/00   |
| 4637136 | H04N 13/31   | 4637184 | H04R 9/06    | 4637232 | H04W 64/00   |
| 4637137 | H04N 13/337  | 4637185 | H04R 25/00   | 4637233 | H04W 64/00   |
| 4637138 | H04N 19/103  | 4637186 | H04R 25/00   | 4637234 | H04W 72/02   |
| 4637139 | H04N 19/117  | 4637187 | H04S 7/00    | 4637235 | H04W 72/04   |
| 4637140 | H04N 19/117  | 4637188 | H04S 7/00    | 4637236 | H04W 72/04   |
| 4637141 | H04N 19/117  | 4637189 | H04W 4/06    | 4637237 | H04W 72/04   |
| 4637142 | H04N 19/117  | 4637190 | H04W 4/06    | 4637238 | H04W 72/04   |
| 4637143 | H04N 19/119  | 4637191 | H04W 4/06    | 4637239 | H04W 72/0453 |
| 4637144 | H04N 19/12   | 4637192 | H04W 4/70    | 4637240 | H04W 72/0453 |
| 4637145 | H04N 19/13   | 4637193 | H04W 8/14    | 4637241 | H04W 72/0453 |
| 4637146 | H04N 19/139  | 4637194 | H04W 8/26    | 4637242 | H04W 72/115  |
| 4637147 | H04N 19/147  | 4637195 | H04W 12/082  | 4637243 | H04W 72/12   |
| 4637148 | H04N 19/154  | 4637196 | H04W 12/106  | 4637244 | H04W 72/232  |

4637245 H04W 72/232  
 4637246 H04W 72/30  
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 4637254 H04W 74/0833  
 4637255 H04W 76/00  
 4637256 H04W 76/11  
 4637257 H04W 76/15  
 4637258 H04W 76/16  
 4637259 H04W 76/19  
 4637260 H04W 76/27  
 4637261 H04W 76/28  
 4637262 H04W 76/40  
 4637263 H04W 84/12  
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 4637272 H05B 47/11  
 4637273 H05B 47/155  
 4637274 H05B 47/19  
 4637275 H05H 7/10  
 4637276 H05K 1/02  
 4637277 H05K 3/02  
 4637278 H05K 3/28  
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 4637289 H05K 9/00  
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 4637291 H10B 12/00  
 4637292 H10B 41/50

4637293 H10B 43/27  
 4637294 H10D 30/01  
 4637295 H10D 30/01  
 4637296 H10D 64/01  
 4637297 H10D 84/03  
 4637298 H10D 86/40  
 4637299 H10F 10/165  
 4637300 H10F 19/90  
 4637301 H10F 39/00  
 4637302 H10F 71/00  
 4637303 H10F 77/00  
 4637304 H10F 77/20  
 4637305 H10F 77/30  
 4637306 H10K 39/12  
 4637307 H10K 50/11  
 4637308 H10K 59/12  
 4637309 H10K 59/122  
 4637310 H10K 59/131  
 4637311 H10K 59/80

### Zu Abschnitt 5b)1:

In diesem Heft keine Veröffentlichung

### Zu Abschnitt 5b)8:

In diesem Heft keine Veröffentlichung

### Zu Abschnitt 5b)9:

In diesem Heft keine Veröffentlichung

### Zu Abschnitt 5c)1:

(97) EP-VN (51) IPC-HKL  
 1979098 B02C 4/30  
 1979098 B02C 13/28  
 1979098 B23K 1/00  
 1979098 B02C 13/26  
 1979098 B23K 103/12  
 1979098 B02C 15/00  
 1979098 B02C 17/22  
 2234598 A61K 38/00  
 2234598 A61P 35/00  
 2234598 A61K 9/20  
 2234598 A61K 9/00  
 2234598 A61K 47/02

2234598 A61P 3/10  
 2823929 B23K 26/082  
 2823929 B01J 19/12  
 2823929 B23K 26/035  
 2823929 B23K 26/36  
 2823929 B23K 26/00  
 2823929 B23K 26/16  
 2823929 B23K 26/064  
 2823929 B23K 26/14  
 2823929 B08B 7/00  
 2823929 B23K 26/04  
 2823929 B23K 26/08  
 2897489 A47C 1/03  
 2897489 A47C 7/46  
 2897489 A47C 7/24  
 2897489 A47C 7/18  
 2908337 H01L 23/31  
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 2968091 A61Q 17/04  
 2968091 A61Q 19/00  
 2968091 A61Q 19/08  
 2968091 A61K 47/10  
 2968091 A61K 31/357  
 2968091 A61K 9/00  
 2968091 A61Q 17/00  
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 2968091 A61K 31/22  
 2968091 A61P 17/16  
 2968091 A61P 17/00  
 2969591 G01L 3/14  
 2969591 B62M 9/12  
 2969591 B62J 45/423  
 2969591 B62J 45/411  
 2973787 H01M 4/134  
 2973787 H01M 4/02  
 2973787 H01M 4/13  
 2973787 H01M 4/1393  
 2973787 H01M 4/1395  
 2973787 H01M 4/66  
 2973787 H01M 4/139  
 2973787 H01M 4/62  
 2973787 H01M 4/133  
 2983654 A61P 35/00  
 2983654 A61K 39/395  
 2983654 A61K 33/243

|         |              |         |              |         |              |
|---------|--------------|---------|--------------|---------|--------------|
| 2983654 | A61K 33/24   | 3206242 | H01M 50/293  | 3273739 | H04B 7/0417  |
| 2983654 | A61P 35/02   | 3206242 | H01M 10/625  | 3273880 | B23B 31/00   |
| 2983654 | A61K 31/7068 | 3206242 | H01M 50/211  | 3273880 | B23B 31/107  |
| 2983654 | A61K 31/704  | 3206242 | H01M 50/291  | 3273955 | A61K 31/4162 |
| 2983654 | A61K 31/4745 | 3206242 | H01M 50/296  | 3273955 | A61K 31/395  |
| 2983654 | A61K 31/513  | 3206242 | H01M 10/48   | 3273955 | A61K 31/385  |
| 2983654 | G01N 33/53   | 3206242 | H01M 50/569  | 3273955 | A61K 31/416  |
| 2983654 | A61K 45/06   | 3206242 | H01M 10/6567 | 3273955 | A61P 11/06   |
| 2983654 | C07K 16/32   | 3206242 | H01M 10/613  | 3273955 | A61K 31/38   |
| 3080798 | G09F 21/04   | 3206242 | H01M 50/50   | 3273955 | A61K 31/4188 |
| 3080798 | G09F 19/22   | 3206242 | B60L 50/64   | 3273955 | A61K 31/39   |
| 3099305 | G16B 15/00   | 3206242 | H01M 10/653  | 3273955 | A61K 31/4178 |
| 3099305 | G16C 20/60   | 3245293 | C07H 1/06    | 3273955 | A61K 31/423  |
| 3099305 | C12Q 1/6886  | 3245293 | C07H 15/04   | 3273955 | A61P 11/10   |
| 3099305 | G16B 35/00   | 3245293 | C07H 15/06   | 3273955 | A61K 31/424  |
| 3099305 | G16C 20/70   | 3247463 | A61P 31/00   | 3273955 | A61K 31/343  |
| 3117405 | G06T 7/13    | 3247463 | G16H 50/20   | 3273955 | A61K 31/407  |
| 3117405 | G06T 7/12    | 3247463 | G06Q 50/00   | 3273955 | A61P 35/00   |
| 3117405 | A61B 6/00    | 3248606 | A61K 36/235  | 3273955 | A61K 31/403  |
| 3117405 | G06T 7/10    | 3248606 | A61K 36/185  | 3273955 | A61K 31/41   |
| 3117405 | G06T 7/33    | 3248607 | A61K 36/185  | 3273955 | A61K 31/381  |
| 3117405 | G06T 7/00    | 3248607 | A61K 36/235  | 3273955 | A61K 31/4184 |
| 3117405 | G06T 17/00   | 3250591 | A61K 39/395  | 3274799 | G06F 21/41   |
| 3117405 | G06T 7/11    | 3250591 | A61P 31/14   | 3274799 | H04L 67/563  |
| 3134149 | B33Y 80/00   | 3252074 | C12N 1/15    | 3274799 | H04W 12/06   |
| 3137002 | A61B 17/80   | 3252074 | C12N 5/10    | 3274799 | H04L 65/612  |
| 3137002 | A61F 2/30    | 3252074 | C12N 1/19    | 3274799 | H04L 65/1069 |
| 3152783 | H10B 43/35   | 3252074 | C12N 15/09   | 3274799 | H04L 67/02   |
| 3157543 | C07K 5/00    | 3252074 | A61K 45/00   | 3274799 | H04W 12/086  |
| 3157543 | C07K 7/00    | 3252074 | C12P 21/08   | 3280922 | F16B 35/06   |
| 3157543 | C12N 9/22    | 3252074 | C12N 1/21    | 3281175 | H04N 23/95   |
| 3170561 | B23C 5/22    | 3252074 | A61K 39/395  | 3281175 | H04N 23/80   |
| 3176488 | B32B 15/20   | 3252074 | A61P 19/08   | 3281175 | G06T 7/73    |
| 3176488 | B32B 15/082  | 3252521 | G02B 7/198   | 3283280 | A61M 39/08   |
| 3176488 | E04C 2/26    | 3252521 | F16F 15/08   | 3283280 | A61L 29/06   |
| 3176488 | B32B 15/085  | 3252521 | G02B 7/183   | 3283280 | B29C 35/08   |
| 3176488 | B32B 7/12    | 3252521 | F16C 29/02   | 3283280 | B29C 71/04   |
| 3176488 | B32B 37/18   | 3252521 | F16C 32/06   | 3283280 | C08J 7/12    |
| 3176488 | E04B 1/80    | 3266519 | B01J 37/02   | 3288203 | H04B 1/10    |
| 3190635 | H01L 23/495  | 3266519 | B01J 23/89   | 3288203 | H04L 5/00    |
| 3190635 | H10H 20/85   | 3266519 | B01J 35/53   | 3288203 | H04L 1/00    |
| 3190635 | H01L 23/00   | 3266519 | B01J 37/03   | 3288203 | H04B 1/40    |
| 3203157 | F24F 13/06   | 3266519 | B01J 37/00   | 3288203 | H04L 25/02   |
| 3203157 | F24F 13/08   | 3266519 | B01D 53/94   | 3288203 | H04L 27/00   |
| 3203157 | F24F 13/22   | 3266519 | B01J 23/00   | 3288203 | H04L 5/04    |
| 3206242 | H01M 10/6561 | 3266519 | B01J 35/00   | 3288203 | H04J 11/00   |
| 3206242 | H01M 50/264  | 3266519 | B01J 35/60   | 3288203 | H04L 25/06   |
| 3206242 | H01M 10/04   | 3268735 | G01N 22/04   | 3290526 | C12N 15/00   |

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| 3290526 | C12Q 1/6895  | 3345758 | B32B 27/32   | 3396280 | F25D 21/02   |
| 3290526 | C12Q 1/68    | 3345758 | B32B 7/12    | 3398258 | H04B 1/10    |
| 3294465 | B05B 17/06   | 3347063 | A61L 27/58   | 3398258 | H04W 88/06   |
| 3294465 | B05B 17/00   | 3347063 | A61L 27/36   | 3398258 | H04B 15/00   |
| 3297663 | C07K 16/30   | 3347063 | A61F 2/24    | 3400091 | B03D 1/02    |
| 3297663 | G01N 33/574  | 3348020 | G06Q 30/06   | 3400091 | C02F 1/28    |
| 3297663 | A61K 39/395  | 3348020 | G06Q 20/40   | 3400091 | B01J 20/32   |
| 3297663 | C07K 16/28   | 3348020 | G09C 5/00    | 3400091 | B03D 1/14    |
| 3303753 | E21B 7/28    | 3348020 | H04L 9/40    | 3400091 | C02F 101/10  |
| 3303753 | E21B 7/20    | 3348020 | H04W 12/33   | 3400091 | B03D 1/12    |
| 3303753 | F16L 1/028   | 3348020 | H04B 1/3827  | 3400091 | B03D 1/004   |
| 3304646 | H01Q 23/00   | 3348020 | H04L 9/14    | 3400091 | B03D 1/016   |
| 3304646 | H01Q 13/02   | 3348020 | G06F 21/34   | 3400091 | B03D 1/08    |
| 3304646 | H01Q 21/06   | 3348020 | G06Q 20/32   | 3400091 | C02F 1/24    |
| 3304646 | H01Q 19/00   | 3348020 | G06F 21/33   | 3400091 | B01J 20/28   |
| 3308806 | G01K 1/20    | 3348020 | G06Q 20/38   | 3400091 | C02F 11/00   |
| 3313239 | A47C 7/62    | 3348020 | G06F 21/44   | 3412276 | A61K 31/00   |
| 3313239 | A47C 7/40    | 3354340 | B05D 7/22    | 3412276 | A61K 47/02   |
| 3315142 | G01B 5/24    | 3354340 | B01D 53/86   | 3412276 | A61K 47/10   |
| 3315142 | G01B 11/02   | 3354340 | B05B 1/14    | 3412276 | A61K 47/06   |
| 3315142 | E03C 1/126   | 3355818 | A61B 17/32   | 3412276 | A61K 47/20   |
| 3315142 | A61L 2/08    | 3355818 | G06F 1/03    | 3412276 | A61K 47/22   |
| 3317648 | G01N 21/87   | 3355818 | A61B 18/14   | 3412276 | A61K 47/36   |
| 3336396 | F16K 1/36    | 3355818 | A61B 18/00   | 3412276 | A61K 47/26   |
| 3336894 | H03K 19/1776 | 3355981 | A61D 7/00    | 3412276 | A61K 47/18   |
| 3336894 | H01L 25/065  | 3355981 | A61B 17/20   | 3415235 | B01F 35/22   |
| 3336894 | H01L 23/36   | 3363482 | A61B 17/34   | 3415235 | B01F 35/221  |
| 3336894 | H01L 25/18   | 3363482 | A61B 17/00   | 3415235 | F17D 3/01    |
| 3338896 | A61K 40/42   | 3363482 | B24B 19/16   | 3415235 | G01N 21/03   |
| 3338896 | A61K 40/19   | 3363482 | A61M 5/32    | 3415235 | G01N 21/00   |
| 3338896 | A61K 40/24   | 3367849 | A45F 4/02    | 3415235 | B01L 3/00    |
| 3338896 | A61K 40/22   | 3367849 | A45F 4/00    | 3415235 | B01F 35/21   |
| 3338896 | B01D 15/38   | 3367849 | A45F 3/26    | 3415235 | G01N 27/447  |
| 3338896 | B03C 1/00    | 3367849 | A45F 3/04    | 3415235 | F16K 99/00   |
| 3338896 | G01N 35/00   | 3383541 | B02C 4/42    | 3415235 | B01L 3/02    |
| 3338896 | B04B 5/04    | 3387780 | H04L 1/18    | 3415235 | G01N 1/38    |
| 3338896 | A61M 1/02    | 3390651 | A23L 29/30   | 3416153 | G08G 1/14    |
| 3338896 | A61M 1/36    | 3390651 | C13K 11/00   | 3416153 | H04N 21/214  |
| 3338896 | A61K 40/46   | 3390651 | C12P 19/18   | 3416153 | G06Q 30/0251 |
| 3338896 | C12N 5/00    | 3393480 | A61K 31/7125 | 3416153 | G08G 1/16    |
| 3338896 | B04B 13/00   | 3393480 | A61P 35/00   | 3416153 | G08G 1/0962  |
| 3342672 | B60W 50/14   | 3393512 | C07K 14/005  | 3416153 | G06F 16/29   |
| 3342672 | B60W 10/22   | 3393512 | A61K 39/12   | 3416153 | H04N 7/18    |
| 3342672 | B60G 17/0165 | 3394277 | C12P 19/14   | 3416153 | G08G 1/04    |
| 3342672 | B60W 30/02   | 3394277 | C12N 15/79   | 3416153 | G08G 1/017   |
| 3345758 | B32B 27/20   | 3394776 | C12Q 1/6827  | 3416153 | G08G 1/00    |
| 3345758 | B32B 27/08   | 3394776 | C12Q 1/6883  | 3416153 | G08G 1/0967  |
| 3345758 | B32B 27/00   | 3396280 | F25D 21/08   | 3416153 | G08G 1/005   |

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|---------|-------------|---------|--------------|---------|-------------|
| 3416153 | G08G 1/01   | 3443000 | A61P 11/06   | 3460867 | H01M 50/271 |
| 3420405 | G02C 7/02   | 3443000 | A61P 7/00    | 3460867 | H01M 10/653 |
| 3420409 | G09G 3/19   | 3443012 | G01N 33/68   | 3460867 | H01M 10/613 |
| 3420409 | B60J 3/04   | 3443012 | A61K 39/00   | 3460867 | H01M 50/264 |
| 3420409 | G02F 1/163  | 3443012 | A61K 47/50   | 3460867 | H01M 50/209 |
| 3424241 | H04W 60/00  | 3444311 | C09J 133/10  | 3460867 | H01M 50/289 |
| 3424241 | H04W 8/08   | 3444311 | C08F 297/02  | 3462896 | A23B 11/30  |
| 3424241 | H04W 8/06   | 3444311 | C09J 7/20    | 3462896 | A23C 13/16  |
| 3434648 | B82Y 40/00  | 3448333 | A61F 6/18    | 3464102 | B65D 47/20  |
| 3434648 | B82Y 30/00  | 3449929 | A61P 21/00   | 3465614 | G06T 7/00   |
| 3434648 | C04B 35/48  | 3449929 | A61P 11/02   | 3468029 | A47G 27/02  |
| 3435918 | A61F 2/24   | 3449929 | A61P 17/06   | 3468029 | E04F 15/10  |
| 3435918 | A61B 90/00  | 3449929 | A61P 3/06    | 3471599 | H04B 5/22   |
| 3435918 | A61B 34/20  | 3449929 | A61P 31/04   | 3471599 | H04M 1/725  |
| 3435918 | A61B 34/00  | 3449929 | A61P 3/00    | 3471599 | H04Q 9/00   |
| 3437071 | G06T 13/40  | 3449929 | A61P 11/06   | 3471599 | A61C 7/08   |
| 3442516 | A61P 27/02  | 3449929 | A61P 19/08   | 3471599 | A61C 7/00   |
| 3442516 | A61P 27/10  | 3449929 | A61K 35/407  | 3471599 | A61B 5/08   |
| 3442516 | A61K 31/375 | 3449929 | C12N 5/0775  | 3471599 | H04B 5/26   |
| 3442516 | A61K 45/06  | 3449929 | A61P 29/00   | 3471599 | A61B 5/053  |
| 3442563 | A61K 35/39  | 3449929 | A61P 1/16    | 3471599 | A61B 5/00   |
| 3442563 | A61L 27/18  | 3449929 | A61P 27/16   | 3471599 | A61B 5/389  |
| 3442563 | A61L 27/36  | 3449940 | C07K 16/36   | 3471599 | H04B 5/00   |
| 3442563 | A61P 3/10   | 3456182 | A01H 5/12    | 3471599 | H04B 5/70   |
| 3442563 | A61K 35/34  | 3456182 | A01H 6/14    | 3473925 | F21S 41/147 |
| 3442563 | A61P 9/00   | 3456182 | G01N 33/02   | 3473925 | F21S 45/47  |
| 3442563 | A61K 31/765 | 3456182 | G01N 33/00   | 3473925 | F21Y 115/10 |
| 3442563 | A61L 27/38  | 3456182 | A01H 1/04    | 3473925 | F21S 41/33  |
| 3442563 | A61K 35/28  | 3457797 | H04W 72/04   | 3473925 | F21S 41/148 |
| 3442563 | A61L 27/54  | 3457797 | H04W 72/12   | 3473925 | F21S 45/49  |
| 3443000 | A61P 3/00   | 3457797 | H04W 74/08   | 3473925 | F21S 41/19  |
| 3443000 | A61P 11/00  | 3458634 | D04H 1/4266  | 3474191 | G06T 1/00   |
| 3443000 | A61P 19/02  | 3458634 | D04H 3/015   | 3474191 | G06V 10/764 |
| 3443000 | A61K 38/17  | 3458634 | A41D 27/24   | 3474191 | G06V 10/44  |
| 3443000 | A61P 37/06  | 3459316 | H04L 65/1069 | 3474191 | G06N 3/045  |
| 3443000 | A61P 35/00  | 3459316 | H04W 76/11   | 3474191 | G06V 10/25  |
| 3443000 | A61P 17/06  | 3459316 | H04W 76/22   | 3474191 | G06V 10/82  |
| 3443000 | A61P 1/00   | 3459316 | H04W 36/12   | 3474191 | G06N 3/084  |
| 3443000 | A61P 37/02  | 3459316 | H04W 36/00   | 3474728 | A61B 5/1473 |
| 3443000 | A61P 25/00  | 3459316 | H04W 76/12   | 3474728 | A61B 5/145  |
| 3443000 | A61P 29/00  | 3459316 | H04W 88/02   | 3474728 | A61M 5/00   |
| 3443000 | C12N 15/62  | 3459316 | H04W 92/24   | 3475626 | F24F 11/00  |
| 3443000 | A61P 37/04  | 3459316 | H04L 65/80   | 3478258 | A61Q 5/12   |
| 3443000 | C07K 14/725 | 3459316 | H04L 67/12   | 3478264 | A61P 25/34  |
| 3443000 | A61P 1/04   | 3459316 | H04W 28/02   | 3478264 | A61K 31/465 |
| 3443000 | A61P 27/02  | 3460867 | H01M 50/249  | 3478264 | A61K 9/16   |
| 3443000 | A61K 39/00  | 3460867 | H01M 50/103  | 3478264 | A61L 9/16   |
| 3443000 | A61P 9/00   | 3460867 | H01M 10/647  | 3478494 | B65D 75/36  |

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|---------|-------------|---------|-------------|---------|--------------|
| 3478494 | B32B 27/36  | 3512522 | A61K 9/08   | 3536006 | H04W 74/0816 |
| 3478494 | B32B 27/34  | 3512522 | A61K 47/36  | 3541238 | A46B 15/00   |
| 3478494 | B32B 15/20  | 3512659 | B23K 9/235  | 3543842 | G06F 8/70    |
| 3478494 | B32B 15/08  | 3512659 | B23K 9/20   | 3544935 | C03C 4/02    |
| 3478494 | B32B 27/32  | 3512659 | B08B 7/00   | 3544935 | C03C 3/091   |
| 3481307 | A61B 17/06  | 3512659 | B23K 11/34  | 3544935 | C03C 3/087   |
| 3481307 | A61B 17/00  | 3512659 | B23K 11/36  | 3544935 | C03C 4/08    |
| 3482477 | H02K 19/06  | 3512659 | B23K 11/00  | 3544935 | B32B 17/00   |
| 3482477 | H02K 11/00  | 3513300 | A61B 34/30  | 3547939 | A61B 18/00   |
| 3482477 | H02K 19/10  | 3513300 | A61B 34/00  | 3549342 | H04N 19/46   |
| 3482477 | H02P 25/08  | 3513300 | A61B 1/313  | 3549342 | H04N 21/47   |
| 3482477 | H02P 6/00   | 3513300 | B25J 9/10   | 3549342 | H04N 1/64    |
| 3490680 | A61K 8/31   | 3513300 | G16H 40/63  | 3549342 | H04N 19/70   |
| 3490680 | A61K 8/49   | 3513300 | G16H 20/40  | 3549342 | H04N 19/17   |
| 3490680 | A61K 8/36   | 3515656 | F16G 3/16   | 3549342 | H04N 19/186  |
| 3490680 | A61K 8/44   | 3515656 | B23P 19/04  | 3552394 | G06T 17/00   |
| 3490680 | A61K 8/365  | 3515656 | F16G 3/04   | 3552394 | G06T 15/00   |
| 3493687 | A23L 33/12  | 3515656 | B25C 5/11   | 3553642 | G06F 3/0481  |
| 3493687 | A61K 31/702 | 3515656 | F16G 3/00   | 3553642 | G06F 3/0481  |
| 3493687 | A61K 31/20  | 3516712 | H01M 50/271 | 3553642 | G11B 27/00   |
| 3497675 | G06T 19/20  | 3516712 | H01M 50/262 | 3556851 | A61K 40/15   |
| 3498737 | A23L 19/00  | 3516712 | H01M 50/209 | 3556851 | A61K 40/19   |
| 3498737 | A61P 37/04  | 3516712 | H01M 50/15  | 3556851 | A61K 40/10   |
| 3498737 | A61K 31/715 | 3517135 | A61P 43/00  | 3556851 | C12N 5/0783  |
| 3498737 | A23L 33/125 | 3517135 | C12N 15/86  | 3556851 | C12N 5/0786  |
| 3500174 | G06T 19/00  | 3517135 | A61P 27/02  | 3556851 | A61K 40/42   |
| 3500929 | H04L 41/40  | 3518950 | B01D 11/02  | 3556851 | A61K 40/24   |
| 3500929 | H04L 43/20  | 3518950 | A61K 9/00   | 3556978 | E05D 7/12    |
| 3502247 | C12N 9/20   | 3518950 | A61K 47/00  | 3556978 | E05D 3/06    |
| 3502247 | C12P 7/6458 | 3520846 | A61M 5/31   | 3556978 | E05D 15/40   |
| 3502247 | C12N 11/08  | 3520886 | B01D 71/68  | 3556978 | E05F 1/10    |
| 3503872 | A61M 31/00  | 3520886 | B01D 71/44  | 3556978 | E05D 15/46   |
| 3503872 | A61F 6/14   | 3520886 | A61M 1/18   | 3556978 | E05D 3/16    |
| 3504347 | C40B 40/08  | 3521522 | E02F 9/28   | 3559244 | C07K 14/415  |
| 3504347 | C12Q 1/6809 | 3521522 | G06Q 50/08  | 3559335 | C08F 265/06  |
| 3504347 | C12N 15/10  | 3521522 | E02F 3/43   | 3559335 | C08F 4/38    |
| 3505084 | A61B 18/00  | 3527714 | D06F 71/02  | 3559335 | C08J 5/04    |
| 3505084 | A61B 5/00   | 3527714 | D06F 73/02  | 3559335 | B29C 70/06   |
| 3506299 | G16H 40/67  | 3527714 | D06F 58/10  | 3560091 | H02P 3/14    |
| 3506299 | G16H 10/60  | 3529375 | C12Q 1/6893 | 3560091 | H02P 3/12    |
| 3506299 | G16H 40/20  | 3529375 | C12Q 1/6895 | 3562526 | A61L 31/14   |
| 3506299 | G16H 50/70  | 3529375 | C12Q 1/70   | 3562526 | A61L 31/08   |
| 3506299 | G16H 20/40  | 3532805 | A61B 5/00   | 3562864 | C08J 5/18    |
| 3506299 | G16H 40/63  | 3532805 | G01K 7/16   | 3562864 | C08G 65/40   |
| 3506309 | G16H 20/40  | 3532805 | G01D 21/00  | 3563296 | G06V 20/70   |
| 3506309 | G06F 11/00  | 3532805 | A61B 5/0531 | 3563296 | G06V 20/10   |
| 3506309 | G16H 40/67  | 3532805 | G01L 1/00   | 3563296 | G06V 20/13   |
| 3511855 | G06F 21/62  | 3536006 | H04W 56/00  | 3563296 | G06V 10/762  |

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|---------|-------------|---------|-------------|---------|--------------|
| 3566098 | G03F 7/039  | 3580097 | H01R 12/65  | 3596184 | C09D 4/00    |
| 3566455 | H04L 67/306 | 3580097 | H01R 12/69  | 3596184 | B32B 15/06   |
| 3566455 | H04W 4/80   | 3580733 | G07F 7/10   | 3596184 | G03F 7/038   |
| 3566455 | H04B 1/3827 | 3580733 | C23C 14/56  | 3596184 | H01L 23/10   |
| 3566480 | H04W 48/06  | 3580981 | H04L 27/26  | 3596184 | H01L 23/00   |
| 3566480 | H04W 88/04  | 3581033 | A23G 1/32   | 3596184 | B32B 5/18    |
| 3566480 | H04W 76/14  | 3581033 | A23G 1/40   | 3596184 | H01L 23/29   |
| 3566497 | H04W 24/10  | 3582108 | G06F 13/40  | 3596184 | C09J 163/00  |
| 3566497 | H04L 1/16   | 3582108 | G06F 3/06   | 3596184 | G03F 7/004   |
| 3566497 | H04W 48/00  | 3582108 | G06F 9/50   | 3596184 | C09J 4/00    |
| 3566497 | H04W 36/34  | 3584526 | F27B 7/10   | 3596184 | B32B 7/12    |
| 3566497 | H04W 88/06  | 3584526 | F26B 3/20   | 3596184 | C09J 9/02    |
| 3566497 | H04W 36/08  | 3584526 | F27B 7/16   | 3596184 | G03F 7/027   |
| 3566497 | H04W 36/14  | 3584526 | F26B 3/24   | 3596899 | H04W 12/37   |
| 3568039 | A45D 2/00   | 3584526 | F27B 7/34   | 3596899 | H04W 12/0431 |
| 3568039 | H05B 3/14   | 3584526 | F26B 23/02  | 3597733 | G01N 33/15   |
| 3568039 | A45D 20/10  | 3586928 | A62C 35/68  | 3597733 | C12Q 1/02    |
| 3568039 | A45D 20/12  | 3586928 | A62C 35/02  | 3597733 | G01N 33/50   |
| 3568039 | A45D 1/00   | 3586928 | G08B 25/01  | 3599619 | H01J 35/08   |
| 3575101 | G02B 5/18   | 3586928 | A62C 13/76  | 3600227 | A61Q 1/14    |
| 3575101 | B42D 25/324 | 3589115 | A01H 6/06   | 3600227 | A61K 8/04    |
| 3575101 | G02B 5/32   | 3589115 | C12Q 1/6895 | 3600227 | A61Q 19/08   |
| 3575858 | A61F 2/16   | 3589115 | A01H 5/04   | 3600227 | A61Q 5/00    |
| 3577067 | H01M 10/26  | 3592783 | C08F 4/646  | 3600227 | A61Q 1/00    |
| 3577067 | C01D 15/02  | 3592783 | C08F 4/643  | 3600227 | A61Q 19/00   |
| 3577067 | C01D 15/00  | 3592783 | C08F 110/06 | 3600227 | A61K 8/91    |
| 3577067 | H01M 6/18   | 3592783 | C08F 4/642  | 3600227 | A61K 8/90    |
| 3577337 | F03D 13/10  | 3592783 | C08F 2/38   | 3600227 | A61Q 13/00   |
| 3577337 | F03D 13/20  | 3593109 | G01N 15/00  | 3600227 | A61Q 17/00   |
| 3577467 | A61B 5/318  | 3593109 | B01D 65/10  | 3600227 | A61K 8/81    |
| 3577467 | G16H 50/20  | 3593109 | B01D 71/02  | 3600227 | A61Q 1/04    |
| 3577467 | A61B 5/349  | 3593109 | G01N 15/08  | 3600528 | H04R 25/00   |
| 3577467 | A61B 5/11   | 3593109 | C02F 1/44   | 3605178 | G02B 7/00    |
| 3577467 | G16H 50/30  | 3593109 | G01N 15/06  | 3605178 | G02B 13/00   |
| 3578161 | A61Q 19/00  | 3593109 | G01N 15/02  | 3605653 | H01M 50/403  |
| 3578161 | A61K 8/06   | 3593795 | A61P 25/02  | 3605653 | H01M 10/42   |
| 3579860 | C12N 5/10   | 3593795 | A61K 31/385 | 3605653 | H01M 50/423  |
| 3579860 | C12N 1/19   | 3593828 | A61L 29/16  | 3605653 | H01M 10/0566 |
| 3579860 | A61K 38/16  | 3593828 | A61L 29/08  | 3605653 | C08L 33/12   |
| 3579860 | A61K 38/08  | 3593828 | A61L 31/08  | 3605653 | H01G 11/52   |
| 3579860 | A61K 39/395 | 3593828 | A61L 31/16  | 3605653 | C08F 20/18   |
| 3579860 | C12N 1/15   | 3596125 | A61P 25/00  | 3605653 | C08K 3/22    |
| 3579860 | A61P 31/18  | 3596125 | A61K 39/00  | 3605653 | H01M 50/489  |
| 3579860 | C12N 1/21   | 3596184 | C09D 7/61   | 3605653 | H01M 10/052  |
| 3579860 | C12N 15/63  | 3596184 | B32B 9/00   | 3605653 | H01M 4/62    |
| 3579860 | A61P 35/00  | 3596184 | B32B 5/12   | 3605653 | C08L 33/08   |
| 3580097 | H01B 7/08   | 3596184 | B32B 5/24   | 3605653 | H01M 50/417  |
| 3580097 | H01R 12/59  | 3596184 | C09D 5/24   | 3605653 | C08K 5/41    |

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|---------|-------------|---------|--------------|---------|-------------|
| 3605653 | H01G 11/06  | 3623342 | C01B 32/16   | 3642416 | D21H 21/02  |
| 3607676 | H04B 7/26   | 3623342 | D01F 9/127   | 3642416 | D21C 9/08   |
| 3607676 | H02B 1/28   | 3623342 | C01B 32/158  | 3642416 | D21C 5/00   |
| 3607676 | H02B 1/48   | 3623342 | B82Y 30/00   | 3642416 | D21D 5/28   |
| 3607676 | H02B 1/56   | 3623342 | C01B 32/152  | 3642416 | D21H 21/36  |
| 3607676 | G12B 9/04   | 3624593 | C12N 9/38    | 3645622 | C08K 5/103  |
| 3607676 | H02B 1/36   | 3624593 | A23C 9/12    | 3645622 | C08J 3/22   |
| 3607676 | E02D 29/12  | 3624593 | A23C 9/13    | 3645622 | B32B 27/30  |
| 3607676 | H02G 9/02   | 3624593 | C12P 19/18   | 3645622 | B32B 27/08  |
| 3607676 | H02G 3/03   | 3624593 | C12P 19/04   | 3645622 | A01G 9/14   |
| 3607676 | H04B 13/02  | 3627749 | H04W 72/04   | 3645622 | B32B 27/18  |
| 3607676 | H02G 3/08   | 3628644 | C01G 30/00   | 3645622 | B32B 27/32  |
| 3607676 | G12B 9/02   | 3628644 | C08K 9/02    | 3645622 | C08J 5/18   |
| 3610774 | A61B 1/015  | 3628644 | C08K 3/22    | 3645622 | C08K 5/17   |
| 3610774 | A61B 1/05   | 3629266 | G06Q 10/06   | 3646028 | C08F 220/28 |
| 3610774 | A61B 5/00   | 3629266 | G06F 11/3668 | 3646028 | C08F 265/06 |
| 3610774 | A61B 1/01   | 3629266 | G06F 11/32   | 3646028 | C12N 15/10  |
| 3610774 | A61M 25/09  | 3629266 | G06Q 10/10   | 3646028 | C08F 2/48   |
| 3610774 | A61B 1/07   | 3630268 | A61N 1/36    | 3646028 | C08F 8/50   |
| 3611162 | C07C 317/04 | 3630268 | A61N 1/32    | 3646037 | G01Q 60/34  |
| 3611162 | B01D 3/14   | 3630268 | A61N 1/04    | 3646037 | G01Q 20/02  |
| 3611162 | B01D 3/10   | 3630268 | A61N 1/30    | 3646037 | G01Q 10/06  |
| 3612430 | B61L 3/12   | 3632297 | A61B 3/00    | 3646414 | B23K 101/38 |
| 3612430 | B61L 23/34  | 3632297 | A61B 3/09    | 3646414 | B23K 1/00   |
| 3612430 | B61L 23/14  | 3632297 | A61B 3/18    | 3646414 | H01R 4/02   |
| 3614931 | A61B 90/00  | 3632839 | G04B 17/06   | 3646414 | B23K 1/005  |
| 3616183 | H04R 3/00   | 3632839 | G04B 15/14   | 3646414 | B23K 3/06   |
| 3616183 | G06F 16/683 | 3632839 | G04D 3/00    | 3646414 | H01L 23/00  |
| 3616183 | G01S 13/931 | 3632839 | G04B 19/04   | 3646600 | H04N 19/159 |
| 3616183 | G01S 17/86  | 3634179 | B60N 2/66    | 3646910 | A61M 5/50   |
| 3616183 | G01S 3/808  | 3634179 | A47C 7/46    | 3647853 | G02B 27/28  |
| 3616183 | G01S 11/14  | 3635693 | G07C 9/28    | 3647853 | G06F 3/147  |
| 3616183 | G08G 1/0965 | 3635693 | G07C 9/29    | 3647853 | G02B 27/00  |
| 3616183 | G08G 1/0962 | 3635693 | H04W 12/64   | 3647853 | G02B 27/01  |
| 3616183 | G01S 13/86  | 3635693 | H04W 4/02    | 3647853 | G09G 5/14   |
| 3616183 | G06V 20/58  | 3635693 | G07C 9/27    | 3647853 | G09G 3/00   |
| 3616895 | B65D 33/28  | 3635693 | G07C 9/00    | 3647853 | G02B 26/02  |
| 3616895 | B65F 1/00   | 3636300 | A61M 5/172   | 3649096 | C07C 37/08  |
| 3617003 | H02G 3/06   | 3636300 | A61M 5/145   | 3649096 | C07C 29/145 |
| 3617003 | B60R 16/023 | 3636300 | A61M 5/142   | 3649394 | B67D 7/02   |
| 3617003 | H02G 3/04   | 3638427 | B21D 37/18   | 3649394 | F17C 5/06   |
| 3619014 | B26D 5/00   | 3638427 | B05B 13/04   | 3650378 | B65B 37/12  |
| 3619014 | B26D 7/18   | 3638427 | B21B 45/02   | 3650378 | B65G 47/84  |
| 3620595 | E04G 25/08  | 3638427 | B21B 39/00   | 3650605 | B60R 11/04  |
| 3620595 | E04G 21/24  | 3638427 | B05B 9/00    | 3650605 | E02F 9/08   |
| 3620595 | F16B 7/00   | 3642016 | B29C 64/35   | 3650605 | G06V 10/20  |
| 3620595 | E04G 25/06  | 3642016 | B33Y 40/20   | 3650605 | G06V 20/56  |
| 3620595 | E04G 21/32  | 3642416 | D21H 21/04   | 3650605 | B60Q 1/00   |

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|---------|--------------|---------|-------------|---------|--------------|
| 3650605 | B60Q 1/04    | 3676760 | G06V 30/148 | 3689948 | B29C 55/08   |
| 3650605 | G01B 11/245  | 3676760 | G06V 20/62  | 3689948 | B65H 18/28   |
| 3650605 | G01B 11/00   | 3677174 | A61B 5/113  | 3689948 | B29C 61/06   |
| 3651785 | C07K 7/08    | 3677174 | G06T 7/00   | 3693348 | H01B 1/02    |
| 3651785 | C07K 14/00   | 3677174 | A61B 5/11   | 3693348 | H01G 9/052   |
| 3652988 | H04W 8/22    | 3677174 | A61B 5/00   | 3693348 | C23C 16/455  |
| 3658831 | F25B 49/02   | 3678992 | B01J 21/08  | 3693348 | H01G 11/52   |
| 3658831 | B60H 1/00    | 3680781 | B60K 35/81  | 3693348 | C22C 23/00   |
| 3659646 | A61M 39/02   | 3680781 | G09G 3/20   | 3693348 | H01G 11/26   |
| 3660937 | H10K 85/60   | 3680781 | G09G 5/36   | 3693348 | C09C 1/40    |
| 3660937 | C09K 11/06   | 3680781 | B60K 35/26  | 3693348 | H01G 11/30   |
| 3660937 | H10K 50/11   | 3680781 | G06F 11/10  | 3693348 | H01M 50/403  |
| 3661453 | F16F 15/03   | 3680781 | B60K 37/20  | 3693348 | C01F 5/06    |
| 3661453 | F16F 15/00   | 3680781 | G09G 5/00   | 3693348 | C04B 35/628  |
| 3664807 | A61P 35/04   | 3680781 | B60K 35/22  | 3693348 | C08K 3/20    |
| 3664807 | A61K 31/551  | 3680781 | B60K 35/215 | 3693348 | C08K 3/10    |
| 3664807 | A61K 31/4375 | 3680781 | G09G 3/36   | 3693348 | C22C 21/00   |
| 3664807 | G01N 33/574  | 3682986 | B22F 1/102  | 3693348 | C04B 35/622  |
| 3670131 | C08L 29/04   | 3682986 | H01P 7/00   | 3693348 | H01G 9/042   |
| 3670131 | C08L 23/10   | 3682986 | B22F 1/07   | 3693348 | C01F 7/30    |
| 3670131 | C08L 23/12   | 3682986 | B22F 1/16   | 3693348 | C01B 13/18   |
| 3670131 | C08L 77/00   | 3682986 | H01Q 15/10  | 3693348 | C07F 5/06    |
| 3670131 | C08L 79/08   | 3682986 | B22F 1/17   | 3695590 | H04N 1/00    |
| 3670476 | B32B 18/00   | 3682986 | B82Y 20/00  | 3695590 | H04W 4/16    |
| 3670476 | C04B 35/565  | 3685014 | G01K 3/04   | 3695590 | H04M 1/724   |
| 3670476 | C04B 35/50   | 3685014 | G01K 7/18   | 3695590 | H04M 19/04   |
| 3670476 | C04B 35/584  | 3685014 | G01K 7/20   | 3695590 | H04N 1/327   |
| 3670476 | C04B 41/00   | 3685014 | E21B 47/06  | 3695590 | H04N 1/32    |
| 3671433 | G06N 3/063   | 3685014 | E21B 47/017 | 3697291 | A61B 17/135  |
| 3671505 | G06F 21/72   | 3685014 | E21B 47/07  | 3697291 | A61B 5/021   |
| 3671505 | G06F 21/44   | 3686381 | E05B 65/00  | 3697291 | A61B 5/022   |
| 3671505 | G06F 21/34   | 3686381 | E05B 47/00  | 3699174 | C07D 311/30  |
| 3671654 | G06T 11/40   | 3686381 | G07C 9/00   | 3699174 | A61K 31/353  |
| 3673297 | G01S 11/12   | 3686381 | E05B 47/06  | 3699174 | A23L 33/10   |
| 3673297 | B65D 90/58   | 3687559 | A61K 38/21  | 3699174 | C07D 405/04  |
| 3673297 | G01S 5/00    | 3687559 | A61P 35/00  | 3699174 | C07D 409/04  |
| 3673297 | G01S 5/02    | 3687559 | B82Y 5/00   | 3699174 | A61P 29/00   |
| 3673297 | G01S 19/48   | 3687559 | A61K 45/06  | 3699174 | A61K 45/06   |
| 3675746 | A61B 50/30   | 3687559 | A61K 49/00  | 3699987 | C01G 51/42   |
| 3675746 | A61B 17/115  | 3687559 | A61K 38/08  | 3699987 | H01M 10/0525 |
| 3675746 | A61B 17/29   | 3688465 | C12Q 1/00   | 3699987 | H01M 4/525   |
| 3675746 | A61B 17/32   | 3688465 | C12M 1/24   | 3699987 | H01M 4/62    |
| 3675746 | A61B 17/072  | 3688465 | B01L 3/00   | 3699987 | H01M 4/505   |
| 3675746 | A61B 17/128  | 3688491 | G01S 17/42  | 3699987 | C01G 51/00   |
| 3676319 | C08K 3/10    | 3688491 | G01S 7/481  | 3701437 | G06N 5/046   |
| 3676319 | C09J 7/29    | 3688491 | G01S 17/931 | 3701437 | G06F 40/205  |
| 3676319 | C08K 3/22    | 3689133 | C08J 5/18   | 3701437 | G06N 5/02    |
| 3676319 | C09D 11/033  | 3689948 | B29C 61/02  | 3701437 | G06F 40/30   |

|         |             |         |              |         |             |
|---------|-------------|---------|--------------|---------|-------------|
| 3701437 | G06N 7/01   | 3718055 | G11C 16/26   | 3731339 | H01L 23/64  |
| 3701437 | G06N 20/00  | 3718055 | G11C 16/34   | 3731339 | H04B 1/04   |
| 3703628 | A61F 2/91   | 3718055 | G11C 11/54   | 3731339 | H04B 1/18   |
| 3707645 | G06N 3/045  | 3718055 | G11C 16/10   | 3731339 | H01L 23/66  |
| 3707645 | G06N 7/01   | 3718371 | H04W 72/0446 | 3731722 | A61B 18/18  |
| 3708404 | B60L 58/20  | 3718371 | H04L 5/00    | 3731722 | A61B 18/14  |
| 3708404 | H02J 7/34   | 3718371 | H04W 88/04   | 3731722 | A61B 1/008  |
| 3708404 | H01M 10/48  | 3719097 | C08G 59/66   | 3731722 | A61B 18/04  |
| 3708404 | H02J 7/00   | 3719097 | C08G 59/38   | 3731722 | A61B 17/12  |
| 3709322 | H01M 4/74   | 3719097 | C08G 75/14   | 3731941 | A62B 35/04  |
| 3709322 | H01M 4/66   | 3719097 | C08L 63/00   | 3731987 | B23K 103/08 |
| 3709322 | H01G 11/26  | 3719097 | C09K 3/10    | 3731987 | B22F 10/25  |
| 3709322 | C23C 14/56  | 3719709 | G06N 3/045   | 3731987 | B22F 10/66  |
| 3709322 | H01G 11/28  | 3719709 | G06N 3/09    | 3731987 | B22F 10/64  |
| 3709322 | H01G 11/84  | 3720483 | A61K 39/385  | 3731987 | B23K 26/144 |
| 3709322 | C23C 14/02  | 3720483 | A61K 39/00   | 3731987 | B22F 12/53  |
| 3709322 | C23C 14/35  | 3720483 | A61P 31/04   | 3731987 | B23K 26/70  |
| 3709322 | H01G 11/24  | 3720692 | B33Y 80/00   | 3731987 | B33Y 10/00  |
| 3709322 | C23C 14/20  | 3722683 | F24F 13/10   | 3731987 | B23K 26/34  |
| 3709322 | H01G 11/68  | 3722683 | F24F 13/12   | 3731987 | B33Y 40/10  |
| 3709322 | C23C 14/24  | 3722683 | F24F 13/20   | 3731987 | B33Y 30/00  |
| 3710569 | C11D 17/00  | 3722683 | F24F 1/0011  | 3731987 | F01D 5/00   |
| 3710569 | C11D 3/22   | 3722686 | F25B 41/40   | 3731987 | B23P 6/00   |
| 3710569 | C11D 7/26   | 3722686 | F25B 41/00   | 3731987 | B22F 10/22  |
| 3710569 | C11D 7/06   | 3722686 | F24F 1/32    | 3731987 | B23K 1/00   |
| 3711767 | A61K 9/20   | 3722686 | F24F 1/0068  | 3731987 | B23K 101/00 |
| 3711767 | A61K 47/38  | 3722686 | F24F 13/20   | 3731987 | B23K 26/00  |
| 3711767 | G01N 30/88  | 3723558 | B65G 1/07    | 3731987 | B22F 5/04   |
| 3711767 | A61K 9/28   | 3724453 | F01D 5/16    | 3732392 | F22B 37/12  |
| 3711767 | A61P 43/00  | 3724453 | F16F 7/01    | 3732392 | F01K 7/16   |
| 3711767 | A61K 47/02  | 3724453 | F01D 5/30    | 3732392 | F22B 3/02   |
| 3711767 | C07D 498/14 | 3724453 | F01D 25/06   | 3732392 | F22B 1/06   |
| 3711767 | A61K 9/16   | 3724453 | F01D 5/22    | 3733205 | G01N 33/15  |
| 3711767 | A61P 31/16  | 3727450 | A61P 37/00   | 3733205 | A61K 35/76  |
| 3711767 | A61K 47/32  | 3727450 | A61K 31/395  | 3733205 | A61K 35/36  |
| 3714409 | G06Q 10/04  | 3727450 | A61P 29/00   | 3733205 | A61P 25/20  |
| 3714768 | A61B 3/12   | 3727450 | A61P 31/16   | 3733205 | A61K 35/44  |
| 3714768 | A61B 3/00   | 3727664 | C07C 7/12    | 3733205 | A61P 9/10   |
| 3716791 | A23L 33/185 | 3728666 | C22F 1/043   | 3733205 | G01N 33/50  |
| 3716791 | A23L 9/20   | 3728666 | C22C 21/08   | 3733205 | A61P 43/00  |
| 3716791 | A61K 36/48  | 3728666 | C22C 21/04   | 3733205 | C12Q 1/6844 |
| 3716791 | A23C 11/10  | 3728666 | B21J 1/06    | 3733205 | A61P 25/28  |
| 3716791 | A23G 9/42   | 3728666 | B21C 23/00   | 3734798 | H02J 7/00   |
| 3717660 | G16B 25/10  | 3728666 | C22F 1/047   | 3734920 | H01M 10/42  |
| 3717660 | C12Q 1/6886 | 3728666 | C22F 1/05    | 3734920 | H04L 61/00  |
| 3717660 | C12N 15/113 | 3728666 | B21J 5/00    | 3734920 | H01M 10/44  |
| 3718055 | G11C 16/16  | 3731339 | H03H 7/38    | 3735798 | H04W 48/12  |
| 3718055 | G11C 16/04  | 3731339 | H04B 1/48    | 3735972 | A61K 9/00   |

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|---------|--------------|---------|-------------|---------|--------------|
| 3735972 | A61K 9/20    | 3748713 | H01M 10/643 | 3757634 | G02B 6/255   |
| 3736321 | C12C 7/047   | 3748713 | H01M 10/613 | 3759790 | H01F 38/14   |
| 3736321 | C12C 1/02    | 3748713 | H01M 10/658 | 3759790 | H02J 7/02    |
| 3736321 | C12C 1/047   | 3748713 | H01M 50/289 | 3759790 | H02J 5/00    |
| 3738285 | H04L 9/32    | 3748713 | H01M 50/502 | 3759790 | H02J 50/10   |
| 3739434 | G06F 3/0354  | 3748713 | H01M 50/20  | 3759790 | H02J 50/70   |
| 3739434 | G06F 3/046   | 3748998 | H04W 72/02  | 3763819 | C12N 9/04    |
| 3739434 | G06F 3/044   | 3748998 | H04W 76/14  | 3763819 | C12P 13/00   |
| 3739434 | G06F 3/03    | 3748998 | H04W 72/23  | 3764210 | G06F 9/451   |
| 3741139 | H04R 3/00    | 3748998 | H04W 4/46   | 3765916 | G03G 15/08   |
| 3741139 | G06T 19/00   | 3751447 | G06V 10/98  | 3766189 | H04W 4/40    |
| 3741139 | H04N 21/485  | 3752934 | H04L 9/08   | 3766189 | H04W 4/42    |
| 3741139 | G06F 3/16    | 3752934 | H04L 9/00   | 3766189 | H04W 12/60   |
| 3741139 | H04N 21/439  | 3752934 | H04W 12/77  | 3768448 | B22F 10/85   |
| 3741139 | G06F 3/01    | 3752934 | G06F 21/72  | 3768448 | B22F 10/36   |
| 3741844 | C12N 5/079   | 3752934 | G06F 21/64  | 3768448 | B33Y 50/00   |
| 3741844 | A61K 35/30   | 3752934 | H04L 9/32   | 3768448 | B29C 64/153  |
| 3741844 | A61L 27/38   | 3752934 | G06F 21/57  | 3768448 | B33Y 50/02   |
| 3741844 | C12N 5/00    | 3753256 | H04N 21/24  | 3768448 | B29C 64/393  |
| 3741844 | C12N 5/10    | 3753256 | H04N 21/44  | 3769699 | A61B 17/00   |
| 3741844 | A61P 27/02   | 3754507 | G06N 3/063  | 3770825 | G06N 3/045   |
| 3741844 | C12N 5/0735  | 3754507 | G06N 3/048  | 3770825 | G06N 3/08    |
| 3742894 | A61D 15/00   | 3755036 | H04W 36/16  | 3771038 | H01Q 15/00   |
| 3743552 | D06F 105/30  | 3755137 | A01C 7/04   | 3771038 | H01Q 9/04    |
| 3743552 | D06F 103/36  | 3755137 | A01C 7/10   | 3771038 | H01Q 1/38    |
| 3743552 | D06F 58/22   | 3755137 | A01C 7/06   | 3771038 | H01Q 1/52    |
| 3743552 | D06F 105/62  | 3756366 | H04W 4/021  | 3772886 | B65G 15/52   |
| 3743552 | D06F 105/24  | 3756869 | B32B 27/36  | 3773193 | H04M 1/725   |
| 3743552 | D06F 103/42  | 3756869 | B32B 27/32  | 3773193 | A61B 5/1455  |
| 3743552 | D06F 105/58  | 3756869 | B29C 70/08  | 3774413 | F16K 39/02   |
| 3743552 | D06F 103/30  | 3756869 | B32B 27/12  | 3774413 | F16F 9/34    |
| 3743998 | H03F 3/68    | 3756869 | B32B 27/34  | 3774413 | F16K 31/06   |
| 3743998 | H04B 17/10   | 3756869 | B29C 39/42  | 3774413 | F16F 9/46    |
| 3743998 | H04B 17/13   | 3756869 | B32B 5/06   | 3774413 | F16K 41/12   |
| 3743998 | H03F 3/189   | 3756869 | B32B 3/08   | 3775868 | G01N 27/85   |
| 3743998 | H03F 3/24    | 3756869 | B32B 27/38  | 3776084 | G03G 15/08   |
| 3745613 | H01Q 3/26    | 3756869 | B32B 27/28  | 3776389 | H03M 7/30    |
| 3745613 | H04B 17/26   | 3756869 | B32B 5/26   | 3776389 | G06N 3/08    |
| 3745613 | H04B 17/318  | 3756869 | B32B 27/42  | 3776893 | H04L 25/03   |
| 3745613 | H04Q 1/24    | 3757388 | F16J 15/00  | 3779202 | F04D 29/58   |
| 3745613 | H04B 7/06    | 3757388 | F04B 53/16  | 3779202 | F04D 27/02   |
| 3745613 | H04B 17/10   | 3757388 | F04B 53/02  | 3779719 | G06F 16/248  |
| 3745613 | H04Q 3/28    | 3757388 | F16J 15/56  | 3779719 | G06F 16/2455 |
| 3745613 | H04Q 3/38    | 3757388 | F04B 53/14  | 3780710 | H04W 76/15   |
| 3747528 | B01D 35/16   | 3757388 | F16J 9/28   | 3780710 | H04L 5/00    |
| 3748190 | F16G 13/18   | 3757427 | F16F 15/28  | 3780710 | H04W 92/20   |
| 3748713 | H01M 50/213  | 3757427 | F16H 1/28   | 3780710 | H04W 88/08   |
| 3748713 | H01M 10/6554 | 3757427 | B23D 51/16  | 3780710 | H04W 92/12   |

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|---------|--------------|---------|--------------|---------|--------------|
| 3780872 | H04W 74/0836 | 3793546 | A61P 31/22   | 3807540 | F15B 13/08   |
| 3780872 | H04W 74/0838 | 3796116 | B23K 26/402  | 3807540 | F15B 13/04   |
| 3781003 | A47J 31/06   | 3796436 | H01M 4/525   | 3807671 | H04J 13/00   |
| 3781003 | A47J 31/36   | 3796436 | H01M 50/209  | 3807671 | G01S 13/34   |
| 3781003 | A23F 5/24    | 3796436 | H01M 4/133   | 3807730 | G06Q 10/20   |
| 3781003 | A23F 5/26    | 3796436 | H01M 4/13    | 3807730 | G06Q 10/0639 |
| 3781003 | A47J 31/08   | 3796436 | H01M 10/0525 | 3807730 | G06Q 10/00   |
| 3781003 | A23F 5/00    | 3796436 | H01M 50/249  | 3807730 | G06Q 50/04   |
| 3781652 | C10L 1/185   | 3796436 | H01M 4/587   | 3807730 | G06Q 30/018  |
| 3781652 | C07C 7/08    | 3796436 | H01M 4/131   | 3807809 | G06V 40/16   |
| 3781652 | C10G 69/00   | 3796829 | A61B 3/107   | 3808214 | F16B 12/40   |
| 3781652 | C10L 1/182   | 3796879 | A61M 25/00   | 3808214 | F16B 7/20    |
| 3781652 | C10G 69/04   | 3796879 | A61F 5/44    | 3808214 | F16B 12/30   |
| 3781652 | C07C 5/22    | 3796879 | A61F 5/453   | 3808214 | E04B 1/19    |
| 3781652 | C10G 69/06   | 3799042 | H04N 21/436  | 3808339 | A61K 9/51    |
| 3785607 | A61C 19/04   | 3799042 | H04N 21/439  | 3808339 | A61K 31/56   |
| 3785705 | A61K 47/38   | 3799042 | H04N 21/81   | 3808339 | A61K 47/32   |
| 3786170 | A61K 31/685  | 3799042 | H04N 21/233  | 3809142 | G01P 15/08   |
| 3786170 | A61P 3/10    | 3800582 | G06V 10/774  | 3809142 | G01P 15/125  |
| 3786170 | A61P 25/18   | 3800582 | G06V 10/778  | 3809142 | G01P 15/13   |
| 3786170 | A61P 25/28   | 3800582 | G06V 10/94   | 3809142 | B81C 1/00    |
| 3786170 | A61P 9/10    | 3800582 | G06V 20/54   | 3809142 | B81C 99/00   |
| 3786170 | A61P 25/00   | 3801114 | A43D 8/22    | 3810416 | B32B 27/32   |
| 3786170 | C07F 9/09    | 3801128 | A47B 47/04   | 3810416 | B32B 9/02    |
| 3786170 | A61P 3/00    | 3801128 | A47B 96/20   | 3810416 | B32B 7/12    |
| 3786170 | A61P 37/02   | 3801128 | A47B 87/00   | 3810416 | B32B 5/26    |
| 3786170 | A61K 31/683  | 3801128 | E04B 2/74    | 3810416 | B32B 5/10    |
| 3786170 | A61P 25/24   | 3801128 | F16B 12/24   | 3810416 | B32B 27/20   |
| 3786170 | A61P 31/00   | 3802850 | A61B 10/04   | 3810416 | B32B 25/10   |
| 3786170 | A61P 25/16   | 3802850 | A61B 10/00   | 3810665 | C09D 131/04  |
| 3787094 | H01M 10/0525 | 3803725 | G06Q 10/08   | 3811613 | H04N 19/463  |
| 3787094 | H01M 4/13    | 3804519 | A01N 1/162   | 3811613 | H04N 19/70   |
| 3787155 | H02K 7/00    | 3804519 | A01N 1/125   | 3811613 | H04N 19/174  |
| 3788674 | H01Q 15/00   | 3806423 | H04L 67/00   | 3811613 | H04N 19/167  |
| 3788674 | H01Q 17/00   | 3806423 | H04L 67/10   | 3811850 | A61B 3/15    |
| 3788674 | H01Q 9/27    | 3806423 | H04L 67/52   | 3812916 | G06F 16/22   |
| 3788674 | H01Q 15/14   | 3806423 | H04L 67/125  | 3812916 | G06F 16/21   |
| 3788674 | H01Q 11/10   | 3806423 | H04L 67/306  | 3813244 | H02M 7/5387  |
| 3791201 | G01S 7/288   | 3806481 | H04Q 9/00    | 3813991 | B01D 71/30   |
| 3791201 | G01S 7/35    | 3806481 | H04M 11/00   | 3814163 | B60L 9/00    |
| 3791201 | G01S 13/58   | 3806481 | F24F 11/52   | 3814163 | B60L 53/24   |
| 3791201 | G01S 13/931  | 3806648 | A23J 3/18    | 3814703 | F25B 40/00   |
| 3791201 | G01S 13/34   | 3806648 | B01D 61/14   | 3814703 | F16L 3/12    |
| 3792489 | F16C 17/26   | 3807252 | A01N 43/50   | 3814703 | F25D 23/00   |
| 3792489 | F16C 35/02   | 3807252 | C08F 220/60  | 3814703 | F16L 59/065  |
| 3792489 | F16C 3/02    | 3807252 | C09D 133/24  | 3814703 | F16L 3/22    |
| 3793546 | A61K 31/404  | 3807540 | F15B 11/044  | 3814703 | F25D 19/00   |
| 3793546 | A61P 35/00   | 3807540 | F15B 13/043  | 3815197 | H01R 24/64   |

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| 3815197 | H01R 13/04  | 3827487 | H01S 3/16    | 3840739 | A61P 19/02  |
| 3815197 | H01R 103/00 | 3827487 | H01S 3/04    | 3840739 | A61F 7/10   |
| 3815197 | H01R 13/717 | 3828963 | H01M 4/62    | 3840739 | A61K 47/40  |
| 3815197 | H01R 13/66  | 3828963 | H01M 4/587   | 3840739 | A61K 47/32  |
| 3817021 | H02H 9/04   | 3828963 | H01M 4/04    | 3840739 | A61P 29/02  |
| 3817021 | H01G 11/16  | 3828963 | H01M 4/36    | 3840739 | A61F 7/00   |
| 3817021 | H01G 11/10  | 3828963 | H01M 4/02    | 3840739 | A61P 29/00  |
| 3817279 | H04L 9/32   | 3828963 | H01M 10/0525 | 3840739 | A61K 9/08   |
| 3817279 | H04W 12/108 | 3828963 | H01M 4/66    | 3840739 | A61K 31/165 |
| 3817279 | H04L 9/40   | 3830625 | H05H 3/00    | 3840739 | A61K 47/26  |
| 3817615 | A43B 23/08  | 3830625 | G06N 10/00   | 3840739 | A61K 47/44  |
| 3817615 | A43B 13/12  | 3830625 | G02B 27/09   | 3840739 | A61P 23/02  |
| 3818557 | H01L 23/498 | 3830625 | G21K 1/00    | 3840739 | A61K 9/00   |
| 3819222 | B65B 13/18  | 3830627 | G06F 3/0346  | 3841191 | C11B 3/16   |
| 3819222 | B65B 13/20  | 3830627 | G06T 7/73    | 3841191 | A23K 50/30  |
| 3819222 | B65D 71/04  | 3830627 | G06F 3/03    | 3841191 | A23K 20/158 |
| 3820789 | B65D 88/74  | 3834312 | H04B 7/06    | 3841191 | A23D 9/02   |
| 3820789 | B65D 88/78  | 3834312 | H04B 17/12   | 3841191 | B01D 9/00   |
| 3820789 | B65D 90/50  | 3834312 | H04W 24/10   | 3841191 | C11B 7/00   |
| 3820789 | B65D 88/18  | 3834312 | H04B 17/18   | 3841228 | C23F 1/44   |
| 3820789 | F17B 1/10   | 3834312 | H04B 7/08    | 3841228 | C23C 14/58  |
| 3821582 | H04L 67/12  | 3834312 | H04B 17/19   | 3841228 | C23G 1/22   |
| 3821582 | H04L 67/00  | 3834312 | H04B 17/14   | 3841798 | H04W 72/04  |
| 3821582 | G05B 19/042 | 3835319 | A61P 5/42    | 3841798 | H04W 72/044 |
| 3821582 | G06F 21/44  | 3835319 | C07K 16/42   | 3841798 | H04W 52/36  |
| 3821662 | H04W 72/121 | 3835319 | A61K 39/395  | 3843677 | A61B 17/02  |
| 3822688 | G02B 23/18  | 3835319 | A61K 39/00   | 3844181 | C12N 15/62  |
| 3823069 | H01M 8/0422 | 3835319 | A61K 45/06   | 3844181 | C07K 14/715 |
| 3823069 | H01M 8/1018 | 3835881 | G04D 3/00    | 3844181 | C07K 14/745 |
| 3823069 | H01M 8/0401 | 3835881 | B30B 15/02   | 3844181 | C07K 16/28  |
| 3823069 | H01M 8/0482 | 3835881 | B28B 3/02    | 3844181 | A61K 38/00  |
| 3823078 | H01M 10/48  | 3835881 | B30B 11/04   | 3844497 | B01L 3/00   |
| 3823078 | H02J 7/14   | 3835881 | C04B 35/48   | 3844497 | C12Q 1/68   |
| 3823078 | H02J 7/00   | 3835881 | G04B 31/06   | 3844719 | G06T 7/55   |
| 3823754 | B01L 9/00   | 3836597 | H04W 52/14   | 3844719 | G06T 7/80   |
| 3823754 | G01N 35/10  | 3836597 | H04W 16/10   | 3844719 | G06T 7/90   |
| 3823754 | G01N 35/00  | 3836597 | H04W 92/20   | 3844719 | H04N 17/00  |
| 3823754 | G01N 1/31   | 3836597 | H04W 52/24   | 3845140 | A61B 90/00  |
| 3825310 | A61K 31/506 | 3836597 | H04L 5/00    | 3845161 | A61B 18/14  |
| 3825310 | C07D 401/14 | 3837327 | C08G 18/75   | 3845161 | A61B 18/12  |
| 3825310 | C07D 405/04 | 3837327 | C08F 255/02  | 3845161 | A61B 90/90  |
| 3825310 | A61P 35/00  | 3837327 | C09J 4/06    | 3845161 | A61B 17/32  |
| 3825500 | H04W 4/02   | 3837327 | C08G 18/48   | 3845161 | A61B 90/00  |
| 3825500 | G07C 9/00   | 3837327 | C08G 18/67   | 3847902 | A23L 31/00  |
| 3826714 | A61N 1/36   | 3837327 | C09J 175/16  | 3847902 | A23L 33/155 |
| 3826714 | A61N 1/05   | 3839903 | G07D 5/00    | 3848720 | G01S 13/88  |
| 3826714 | A61N 1/04   | 3839903 | B42D 25/382  | 3848720 | H01Q 13/02  |
| 3827487 | H01S 3/067  | 3839929 | G09G 3/3225  | 3848720 | H01Q 1/22   |

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|---------|-------------|---------|--------------|---------|--------------|
| 3849454 | G16H 40/63  | 3870487 | B60W 20/12   | 3876553 | H01F 1/057   |
| 3849454 | G16H 40/20  | 3870487 | B60W 40/105  | 3876553 | H04R 9/04    |
| 3849454 | G06Q 10/08  | 3870487 | B60W 10/06   | 3876668 | F23Q 7/22    |
| 3849946 | C01B 25/37  | 3870487 | B60L 50/10   | 3876668 | H05B 3/48    |
| 3850777 | H04L 25/02  | 3870487 | B60W 30/18   | 3877241 | B62D 29/00   |
| 3850777 | H04B 7/06   | 3870487 | B60W 20/11   | 3877241 | B60P 1/28    |
| 3852584 | F24C 7/10   | 3870487 | B60L 15/20   | 3877241 | B62D 25/20   |
| 3852584 | G05B 19/042 | 3870487 | B60L 58/12   | 3877241 | B62D 27/06   |
| 3854981 | B29D 99/00  | 3870487 | B60W 50/00   | 3877241 | B62D 33/027  |
| 3855655 | H04L 5/00   | 3870487 | B60W 10/08   | 3878166 | H02J 7/00    |
| 3855655 | H04L 1/1829 | 3870487 | B60W 40/107  | 3878166 | H04M 1/60    |
| 3855677 | H04L 9/32   | 3870487 | G01C 21/34   | 3878166 | G06F 3/16    |
| 3855677 | H04L 9/08   | 3871454 | H04L 5/00    | 3878166 | H04M 19/04   |
| 3861687 | H04L 45/00  | 3871454 | H04W 48/12   | 3880322 | A63C 9/08    |
| 3861687 | H04L 41/12  | 3871454 | H04W 74/0833 | 3880322 | A63C 9/00    |
| 3862258 | B63B 32/59  | 3871454 | H04B 7/06    | 3881805 | A61B 17/70   |
| 3862997 | H04N 23/90  | 3871454 | H04W 56/00   | 3881805 | A61F 2/28    |
| 3862997 | G06V 20/70  | 3871454 | H04B 7/08    | 3881805 | A61F 2/30    |
| 3862997 | H04N 7/18   | 3871668 | A61Q 7/00    | 3882252 | A61P 31/00   |
| 3862997 | G06V 10/80  | 3871668 | A61P 17/14   | 3882252 | A61K 31/43   |
| 3862997 | B63B 43/18  | 3871668 | A61K 8/43    | 3882252 | A61K 31/69   |
| 3862997 | H04N 5/265  | 3873755 | F02B 47/02   | 3882278 | C08L 29/04   |
| 3862997 | G06V 10/30  | 3873755 | F02M 25/022  | 3882278 | C08K 3/00    |
| 3862997 | B63B 49/00  | 3874993 | A47D 11/00   | 3882278 | H01M 4/62    |
| 3862997 | H04N 23/61  | 3875092 | A61P 27/02   | 3882278 | C08F 216/06  |
| 3862997 | G06N 3/084  | 3875092 | A61K 9/00    | 3882278 | H01M 10/05   |
| 3862997 | G08G 3/02   | 3875092 | A23L 33/10   | 3882278 | C08L 1/26    |
| 3862997 | H04N 23/698 | 3875270 | B32B 37/26   | 3885284 | A47J 31/40   |
| 3862997 | G06V 10/24  | 3875270 | B32B 37/24   | 3885284 | A47J 31/36   |
| 3862997 | H04N 23/958 | 3875270 | B32B 38/00   | 3885284 | A47J 31/41   |
| 3862997 | G06V 10/10  | 3875270 | B32B 27/28   | 3885284 | A47J 31/00   |
| 3862997 | G06V 10/26  | 3875270 | B41J 2/22    | 3885284 | A47J 31/06   |
| 3862997 | G06V 10/82  | 3875997 | C23C 14/08   | 3886439 | H04N 21/2343 |
| 3862997 | H04N 23/80  | 3875997 | C23C 14/10   | 3886439 | H04N 21/845  |
| 3864120 | C11D 17/04  | 3875997 | G02B 1/18    | 3886439 | H04N 21/81   |
| 3864120 | C11D 3/20   | 3875997 | G02B 1/14    | 3887138 | B27N 3/24    |
| 3864120 | C11D 3/34   | 3875997 | G02B 27/00   | 3887138 | B30B 5/06    |
| 3864120 | C11D 3/32   | 3875997 | C23C 14/30   | 3887138 | B30B 15/34   |
| 3865692 | B64D 13/06  | 3875997 | G02B 1/16    | 3887138 | B30B 3/04    |
| 3865692 | F02C 7/32   | 3875997 | B32B 9/00    | 3887219 | B60W 30/08   |
| 3865692 | F02C 7/275  | 3875997 | C23C 14/22   | 3887219 | G08G 1/16    |
| 3866780 | A61P 43/00  | 3876141 | G06V 10/80   | 3887219 | B60W 30/12   |
| 3866780 | A61P 35/00  | 3876141 | G06F 18/25   | 3887219 | B60W 60/00   |
| 3869654 | H02J 3/38   | 3876141 | G06V 10/40   | 3887219 | B60W 40/04   |
| 3869654 | H02J 3/46   | 3876141 | G06V 20/58   | 3887219 | B60W 30/09   |
| 3870487 | B60W 30/14  | 3876141 | G06T 5/50    | 3887219 | B60W 30/095  |
| 3870487 | B60W 20/14  | 3876493 | H04W 12/12   | 3887219 | B60W 30/18   |
| 3870487 | B60W 20/00  | 3876493 | H04W 12/02   | 3887219 | B60T 8/1755  |

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| 3887219 | B62D 15/02   | 3895987 | B64D 1/12   | 3901569 | G01B 11/25  |
| 3888404 | H04W 72/04   | 3895987 | B66D 1/48   | 3902545 | C07D 471/04 |
| 3888404 | H04W 72/12   | 3895987 | B66D 1/60   | 3903712 | A61B 34/37  |
| 3888404 | H04L 5/00    | 3895987 | B66D 1/12   | 3903712 | A61B 34/30  |
| 3888566 | A61B 17/00   | 3895987 | B64C 39/02  | 3903736 | A61B 17/00  |
| 3888841 | B23K 37/04   | 3895987 | G06Q 10/08  | 3903736 | A61M 25/09  |
| 3888841 | B23K 26/70   | 3896137 | C09J 183/07 | 3903736 | A61M 25/00  |
| 3888841 | B23K 26/38   | 3896137 | C09J 7/38   | 3903736 | A61B 17/02  |
| 3888841 | B23K 37/047  | 3896137 | C09J 183/05 | 3904580 | B32B 5/02   |
| 3888841 | B23K 26/08   | 3897377 | A61B 5/00   | 3904580 | B32B 5/08   |
| 3889388 | E02F 3/96    | 3897377 | A61B 5/053  | 3904580 | D06M 11/74  |
| 3889388 | E21C 27/12   | 3897377 | G01V 3/10   | 3904580 | B32B 25/10  |
| 3889388 | E21B 7/02    | 3897378 | A61B 34/30  | 3904580 | D04H 3/12   |
| 3889388 | B25D 17/24   | 3897378 | A61B 5/06   | 3904580 | B32B 27/42  |
| 3889388 | B25D 9/00    | 3897407 | A61B 90/00  | 3904580 | D06M 11/83  |
| 3889388 | E21B 6/00    | 3897407 | A61F 2/958  | 3904580 | D06P 5/30   |
| 3889388 | E02F 5/30    | 3897407 | A61B 17/00  | 3904580 | D06M 15/356 |
| 3889388 | E21C 27/28   | 3897407 | A61M 25/10  | 3904580 | B32B 7/12   |
| 3889388 | B25D 17/26   | 3897546 | A61Q 5/06   | 3904580 | D06M 23/08  |
| 3889388 | E21B 4/14    | 3897546 | A61K 8/19   | 3904580 | D06P 5/12   |
| 3890020 | H10H 29/41   | 3897546 | A61Q 5/12   | 3904580 | B32B 27/26  |
| 3890066 | H01M 4/04    | 3897546 | A61K 8/44   | 3904580 | H05K 1/03   |
| 3890066 | H01M 4/139   | 3897546 | A61K 8/04   | 3904753 | F21Y 115/10 |
| 3890066 | H01M 10/052  | 3897546 | A61K 8/36   | 3904753 | F21Y 107/70 |
| 3890066 | H01M 4/1395  | 3897962 | B01J 19/12  | 3904753 | F21V 15/01  |
| 3890928 | G05B 19/4061 | 3897962 | C07C 29/159 | 3904873 | G01N 29/265 |
| 3892919 | F24H 9/17    | 3897962 | B01J 23/02  | 3904873 | G01N 29/44  |
| 3892919 | F24H 8/00    | 3897962 | B01J 21/06  | 3904873 | G01N 29/34  |
| 3892919 | F23D 14/62   | 3897962 | C07C 51/00  | 3904873 | G01N 3/317  |
| 3893156 | G06T 7/62    | 3897962 | B01J 27/00  | 3904873 | G01N 29/11  |
| 3893156 | A61C 7/00    | 3897962 | B01J 37/34  | 3904873 | G01N 29/12  |
| 3893156 | G06V 10/764  | 3897962 | B01J 35/00  | 3904873 | B64F 5/60   |
| 3893896 | A61P 11/00   | 3897962 | B01J 23/10  | 3905139 | G06F 18/243 |
| 3894656 | E21B 19/10   | 3898158 | B29B 9/16   | 3905139 | G06V 10/82  |
| 3894656 | E21B 15/00   | 3898158 | B32B 38/00  | 3905139 | G06N 3/098  |
| 3894656 | E21B 19/22   | 3898158 | B29B 7/84   | 3905139 | G06N 3/094  |
| 3894656 | E21B 19/14   | 3898158 | C08J 3/28   | 3905139 | G06N 3/084  |
| 3895347 | H04B 17/318  | 3898158 | B29B 7/66   | 3905139 | G06V 10/774 |
| 3895374 | H04W 24/02   | 3898158 | B29B 7/60   | 3905139 | G06N 3/088  |
| 3895374 | H04L 41/0654 | 3898158 | B29B 13/02  | 3905139 | G06T 1/20   |
| 3895374 | H04L 41/5009 | 3898158 | B29B 13/00  | 3905139 | G06V 10/764 |
| 3895374 | H04L 41/5025 | 3898158 | B29C 48/14  | 3905392 | H01M 4/02   |
| 3895374 | H04L 41/50   | 3898158 | B29C 59/14  | 3905392 | H01M 4/38   |
| 3895374 | H04W 24/04   | 3898158 | B29C 48/92  | 3905392 | H01M 4/62   |
| 3895540 | A01P 1/00    | 3898158 | B29B 7/72   | 3905392 | H01M 10/052 |
| 3895540 | A01N 59/20   | 3898299 | B60H 1/00   | 3905392 | H01M 4/13   |
| 3895540 | A01N 25/08   | 3898299 | B82Y 10/00  | 3906720 | H04W 72/54  |
| 3895987 | G05D 1/00    | 3898858 | C08G 77/00  | 3906720 | H04W 72/56  |

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|---------|--------------|---------|--------------|---------|-------------|
| 3906720 | H04W 24/08   | 3910904 | H04L 65/612  | 3924878 | G06V 10/764 |
| 3906720 | H04W 28/02   | 3910904 | H04L 65/70   | 3924962 | H04M 3/51   |
| 3907495 | G01N 21/59   | 3910904 | H04N 21/2743 | 3924962 | H04M 3/493  |
| 3907658 | G06V 20/69   | 3910904 | H04L 9/40    | 3924962 | G10L 25/78  |
| 3907658 | G06F 18/231  | 3910904 | H04N 21/658  | 3924962 | H04M 3/527  |
| 3907658 | G06V 10/58   | 3910904 | H04N 21/254  | 3925591 | A61J 1/20   |
| 3907841 | H02J 3/00    | 3910904 | H04N 21/258  | 3925591 | A61M 5/14   |
| 3907841 | H02J 4/00    | 3911279 | A61F 2/46    | 3925591 | B65B 57/14  |
| 3907841 | B64D 41/00   | 3914154 | A61B 5/24    | 3925591 | B65B 3/30   |
| 3907949 | H04L 25/03   | 3914154 | A61B 5/392   | 3925591 | B65B 3/28   |
| 3907949 | H04B 5/00    | 3914154 | A61B 5/00    | 3925591 | B65B 57/12  |
| 3908506 | B62D 65/18   | 3915170 | H01Q 21/06   | 3925591 | B65B 3/00   |
| 3908506 | B62D 63/02   | 3915170 | H01Q 1/40    | 3926041 | A61P 11/00  |
| 3908582 | A61K 31/4412 | 3915170 | H01Q 9/04    | 3926041 | C12N 5/074  |
| 3908582 | A61P 35/00   | 3915170 | H01Q 21/00   | 3926041 | A61K 35/36  |
| 3909033 | G06Q 10/0832 | 3915170 | H01P 5/107   | 3926859 | H04Q 11/00  |
| 3909033 | E05F 15/76   | 3915240 | G06F 21/31   | 3927224 | A47L 15/50  |
| 3909033 | G08C 17/02   | 3915240 | G06F 21/44   | 3927224 | B08B 9/42   |
| 3909033 | G07C 9/00    | 3915240 | H04W 12/06   | 3927247 | B21G 1/00   |
| 3909354 | H04W 72/02   | 3915240 | G06F 9/445   | 3927247 | A61B 17/00  |
| 3909354 | H04W 72/20   | 3916352 | G01S 13/88   | 3927831 | C07K 16/18  |
| 3909354 | H04W 72/51   | 3916352 | G08B 21/10   | 3927831 | C07K 16/28  |
| 3909714 | B23K 103/18  | 3916352 | G01S 13/75   | 3928963 | B65H 5/08   |
| 3909714 | B23K 20/22   | 3916352 | G01F 23/284  | 3928963 | B29C 31/08  |
| 3909714 | B23K 103/00  | 3916352 | G01W 1/14    | 3928963 | B32B 38/00  |
| 3909714 | B29C 65/06   | 3919093 | B05D 5/08    | 3928963 | B65G 47/91  |
| 3909714 | B23K 103/16  | 3919093 | B05D 5/00    | 3928963 | B29C 70/38  |
| 3909714 | B29C 65/64   | 3919093 | A61L 29/14   | 3928963 | B25J 15/06  |
| 3910303 | G01K 11/3213 | 3919947 | G02B 27/00   | 3928963 | B65G 47/84  |
| 3910303 | G01K 11/32   | 3919947 | G02B 27/42   | 3928963 | B65H 5/14   |
| 3910346 | G01R 15/06   | 3919947 | G02B 30/40   | 3928963 | B29C 70/54  |
| 3910383 | H10K 59/80   | 3919947 | G02B 27/01   | 3928963 | B65G 47/14  |
| 3910383 | B32B 7/12    | 3921870 | H01Q 1/22    | 3928963 | B65G 29/02  |
| 3910383 | G02B 5/30    | 3921870 | H01Q 9/04    | 3929705 | H04M 1/60   |
| 3910672 | H10B 43/40   | 3921870 | H01Q 21/06   | 3929705 | H04M 1/7245 |
| 3910672 | G11C 16/04   | 3921870 | H01Q 1/38    | 3930499 | A24F 40/40  |
| 3910672 | H01L 25/00   | 3921870 | H01Q 1/32    | 3930616 | A61B 34/30  |
| 3910672 | H10B 43/35   | 3922215 | A61F 2/95    | 3930616 | A61B 1/005  |
| 3910672 | H01L 23/00   | 3922215 | A61B 17/04   | 3930616 | A61B 1/00   |
| 3910672 | H01L 25/18   | 3922821 | F01D 25/24   | 3930616 | A61B 1/267  |
| 3910672 | H01L 25/065  | 3922821 | F01D 11/02   | 3930616 | A61B 90/00  |
| 3910672 | H10B 43/27   | 3922821 | F01D 9/04    | 3930616 | A61B 17/00  |
| 3910672 | H10B 43/50   | 3924549 | D21C 9/10    | 3930867 | B01D 15/20  |
| 3910799 | H03L 7/08    | 3924610 | F02P 5/145   | 3930867 | G01N 30/60  |
| 3910904 | H04L 69/24   | 3924878 | G06N 7/01    | 3930867 | G01N 30/56  |
| 3910904 | H04L 65/75   | 3924878 | G06V 10/82   | 3930867 | B01D 15/10  |
| 3910904 | H04N 21/63   | 3924878 | G06V 10/44   | 3931904 | H01Q 15/00  |
| 3910904 | H04L 65/756  | 3924878 | G06N 3/084   | 3931904 | H05K 1/02   |

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| 3931904 | H01Q 15/04   | 3941154 | H05B 3/34   | 3952098 | H02M 1/00    |
| 3933548 | G06F 1/3287  | 3941154 | H05B 3/14   | 3952098 | H02M 1/32    |
| 3933548 | G06Q 20/14   | 3941295 | A43B 3/36   | 3952275 | H04N 5/76    |
| 3933548 | G06Q 20/32   | 3941295 | A41D 13/01  | 3952275 | H04N 21/433  |
| 3933548 | G06F 1/3231  | 3941295 | H05B 45/10  | 3952275 | H04N 5/92    |
| 3933548 | G06F 1/16    | 3941295 | A41D 27/08  | 3952275 | H04N 21/4223 |
| 3935512 | G06F 15/16   | 3941295 | H05B 47/115 | 3952275 | H04N 21/858  |
| 3935531 | G06F 21/62   | 3943055 | A61F 13/533 | 3952275 | H04N 21/81   |
| 3935531 | G06F 21/51   | 3943055 | A61F 13/532 | 3952275 | H04N 21/854  |
| 3935531 | G06F 21/53   | 3943065 | A61P 21/00  | 3952275 | H04N 23/60   |
| 3935531 | G06F 9/455   | 3943065 | A61P 19/00  | 3952275 | H04N 9/82    |
| 3935531 | G06F 21/74   | 3943065 | A61K 47/42  | 3953276 | B66F 9/075   |
| 3936604 | C12N 5/077   | 3943065 | A61K 35/28  | 3953276 | B60K 35/80   |
| 3937021 | G06V 10/82   | 3943065 | A61K 9/16   | 3953276 | G05B 19/418  |
| 3937021 | G06V 10/56   | 3944034 | G05B 19/418 | 3953276 | B66F 9/12    |
| 3937021 | G06F 11/30   | 3944478 | H02K 3/28   | 3953276 | B60K 35/60   |
| 3937021 | G06F 11/3668 | 3944478 | H02K 11/27  | 3953276 | B66F 9/19    |
| 3937246 | H04N 5/222   | 3945046 | B41J 3/407  | 3953276 | G06Q 10/08   |
| 3937246 | G02B 5/00    | 3945046 | B65C 9/02   | 3953276 | B66F 9/06    |
| 3937246 | H10F 39/00   | 3945046 | B67C 3/24   | 3953276 | B66F 9/24    |
| 3937246 | G02B 3/00    | 3945046 | B67B 3/28   | 3953276 | B25J 5/00    |
| 3938737 | G01C 25/00   | 3945944 | A47B 13/00  | 3953529 | E02D 5/48    |
| 3938737 | G01D 5/244   | 3945944 | A47B 13/02  | 3953834 | H04L 9/00    |
| 3939532 | A61B 34/20   | 3946900 | B33Y 30/00  | 3953834 | G06Q 20/22   |
| 3939532 | A61B 50/20   | 3948138 | F25D 3/06   | 3953834 | G06F 16/18   |
| 3939532 | A61B 17/70   | 3948138 | H05K 7/20   | 3953834 | G06Q 20/40   |
| 3939532 | A61B 90/00   | 3948138 | F25D 11/00  | 3953834 | G06Q 20/06   |
| 3940167 | E04F 13/08   | 3948138 | C09K 5/02   | 3953834 | H04L 9/32    |
| 3940167 | E04F 13/15   | 3948138 | F28D 15/00  | 3953834 | G06Q 20/38   |
| 3940167 | E04F 15/08   | 3948138 | F28F 3/08   | 3954519 | B29C 53/28   |
| 3940167 | E04F 13/14   | 3948138 | F28F 3/04   | 3954519 | B27N 7/00    |
| 3940184 | E06B 9/323   | 3948306 | G01R 19/00  | 3954519 | B29C 53/26   |
| 3940277 | F16K 31/385  | 3948306 | H03F 3/72   | 3954519 | B27N 5/00    |
| 3940277 | F16K 1/52    | 3948306 | G01R 15/08  | 3954792 | C22C 38/26   |
| 3940277 | F16K 11/00   | 3948306 | H03F 3/45   | 3954792 | C22C 38/06   |
| 3940600 | G06N 3/08    | 3948719 | G06Q 10/00  | 3954792 | C22C 38/14   |
| 3940600 | G06N 3/04    | 3948797 | H04L 51/52  | 3954792 | C22C 38/00   |
| 3941065 | H04N 19/119  | 3948797 | H04L 67/131 | 3954792 | C22C 38/16   |
| 3941065 | H04N 19/136  | 3948797 | H04W 4/021  | 3954792 | C22C 38/38   |
| 3941065 | H04N 19/117  | 3948797 | G06T 19/00  | 3954792 | C23C 2/40    |
| 3941065 | H04N 19/159  | 3948797 | H04L 51/10  | 3954792 | C22C 38/04   |
| 3941065 | H04N 19/11   | 3948797 | H04L 51/222 | 3954792 | C22C 38/12   |
| 3941065 | H04N 19/176  | 3950239 | B25J 19/06  | 3954792 | C22C 38/50   |
| 3941065 | H04N 19/96   | 3950239 | B25J 9/16   | 3954792 | C22C 38/08   |
| 3941065 | H04N 19/82   | 3950501 | B64D 27/24  | 3954792 | C23C 30/00   |
| 3941065 | H04N 19/186  | 3950501 | B64D 27/02  | 3954792 | C22C 38/02   |
| 3941065 | H04N 19/593  | 3951633 | G06F 111/20 | 3954792 | B32B 15/01   |
| 3941154 | B64D 15/12   | 3951633 | G06F 30/27  | 3954792 | C22C 38/28   |

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|---------|--------------|---------|-------------|---------|--------------|
| 3954792 | C21D 9/46    | 3963954 | H04W 76/27  | 3970731 | A61M 1/34    |
| 3954792 | C23C 2/06    | 3963954 | H04W 88/06  | 3970731 | A01N 1/122   |
| 3954792 | C21D 8/02    | 3964329 | B24D 9/08   | 3970731 | A01N 1/00    |
| 3954792 | C22C 38/60   | 3964450 | B65D 75/58  | 3970731 | C12M 1/00    |
| 3957329 | A61K 31/4439 | 3964629 | D06F 37/30  | 3970731 | A61M 1/02    |
| 3957329 | A61K 31/44   | 3965476 | H04W 8/24   | 3970731 | A61J 1/10    |
| 3957329 | A61K 31/5025 | 3965476 | H04W 4/70   | 3970731 | C12N 5/078   |
| 3957329 | A61K 31/53   | 3965476 | H04W 4/06   | 3970731 | A01N 1/146   |
| 3957329 | A61K 31/444  | 3965476 | H04W 68/00  | 3970777 | A61M 25/10   |
| 3957329 | A61K 45/06   | 3965476 | H04W 52/02  | 3970777 | A61M 25/09   |
| 3957329 | A61K 31/355  | 3966624 | G02B 27/00  | 3970777 | A61B 1/018   |
| 3957329 | A61P 35/00   | 3966624 | H04N 23/67  | 3970777 | A61B 8/12    |
| 3957329 | A61K 31/47   | 3966624 | A61F 2/14   | 3970777 | A61B 6/12    |
| 3957329 | A61K 31/404  | 3966624 | G06F 3/01   | 3970777 | A61B 1/273   |
| 3957329 | A61K 31/517  | 3966624 | G01S 3/78   | 3970777 | A61M 25/01   |
| 3957329 | A61K 31/4709 | 3966624 | H04N 23/61  | 3971153 | C04B 35/653  |
| 3957329 | A61K 31/506  | 3966624 | G02B 27/01  | 3971153 | B32B 18/00   |
| 3957329 | A61K 31/352  | 3966624 | H04N 7/18   | 3971153 | C04B 38/06   |
| 3957329 | A61K 31/496  | 3967017 | H04L 12/46  | 3971153 | C04B 35/565  |
| 3959675 | H04M 3/523   | 3967536 | B60K 23/08  | 3971153 | C04B 35/573  |
| 3959675 | G06Q 10/0631 | 3967536 | B62D 61/12  | 3971153 | C04B 35/626  |
| 3959675 | G06Q 10/10   | 3967649 | B82Y 40/00  | 3971153 | C04B 35/584  |
| 3960739 | C07C 233/81  | 3967649 | C12N 11/04  | 3971153 | C04B 35/634  |
| 3960739 | A61P 25/28   | 3967649 | A61K 9/127  | 3971153 | C04B 38/00   |
| 3960739 | A61K 31/4709 | 3967649 | C12N 15/88  | 3971153 | F01D 5/00    |
| 3960739 | A61K 31/24   | 3967649 | B82Y 5/00   | 3971153 | C04B 41/87   |
| 3960739 | A61P 35/00   | 3967882 | F04C 15/00  | 3971544 | G01M 99/00   |
| 3961540 | G06Q 30/06   | 3967882 | F04C 18/16  | 3971686 | G06T 15/40   |
| 3961577 | G06V 20/52   | 3967882 | F04C 2/16   | 3971686 | G06V 20/20   |
| 3961623 | G10L 25/51   | 3968626 | G06T 19/00  | 3971812 | G06T 19/20   |
| 3961623 | G10L 19/24   | 3968626 | H04N 23/60  | 3971812 | G06Q 30/0601 |
| 3961623 | G10L 19/008  | 3968626 | H04N 5/265  | 3971929 | B33Y 80/00   |
| 3961623 | G10L 19/06   | 3968626 | G06T 7/246  | 3971929 | C22C 1/10    |
| 3961623 | G10L 19/002  | 3968626 | H04N 5/262  | 3971929 | C22C 1/05    |
| 3961807 | H01Q 3/36    | 3968626 | H04N 23/69  | 3971929 | H01H 1/0237  |
| 3962244 | H05K 3/46    | 3968626 | H04N 23/61  | 3971929 | B22F 7/06    |
| 3962244 | H01L 23/13   | 3968626 | H04N 23/695 | 3971929 | H01H 1/027   |
| 3962244 | H05K 1/18    | 3968626 | G06V 10/46  | 3971929 | B22F 1/10    |
| 3962244 | H01L 23/367  | 3968926 | A61B 17/00  | 3971929 | B22F 7/08    |
| 3962244 | H01L 23/498  | 3968926 | A61B 17/12  | 3971929 | B22F 1/054   |
| 3962864 | A61M 1/00    | 3968926 | A61L 24/00  | 3971929 | B33Y 10/00   |
| 3962864 | C02F 9/00    | 3968926 | A61B 17/42  | 3971929 | H01H 1/021   |
| 3962864 | C02F 103/00  | 3968926 | A61L 15/42  | 3971929 | B22F 10/25   |
| 3963820 | G06F 21/62   | 3969691 | F03D 9/00   | 3972228 | H04M 1/22    |
| 3963820 | H04L 9/30    | 3969691 | H02S 10/12  | 3972228 | G06F 1/16    |
| 3963820 | G06F 7/72    | 3969691 | F03D 13/20  | 3972514 | A61G 13/02   |
| 3963954 | H04W 36/00   | 3970731 | A61J 1/14   | 3972514 | A61B 90/00   |
| 3963954 | H04W 48/16   | 3970731 | A61K 35/00  | 3972514 | H03K 17/955  |

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|---------|-------------|---------|--------------|---------|--------------|
| 3973620 | H02K 1/2791 | 3980152 | B01D 15/16   | 3987720 | H04L 41/50   |
| 3973620 | H02K 21/22  | 3980152 | B01D 15/38   | 3987720 | H04L 43/0817 |
| 3973620 | H02K 9/22   | 3980914 | H04L 65/612  | 3987720 | H04L 41/149  |
| 3974768 | G01B 11/24  | 3980914 | G06F 16/18   | 3987739 | H04W 12/06   |
| 3974768 | G02B 23/24  | 3980994 | H03G 5/16    | 3987739 | H04L 9/40    |
| 3974768 | G01N 21/15  | 3980994 | G11B 27/031  | 3987837 | H04W 84/12   |
| 3974824 | G01N 29/04  | 3980994 | G10L 21/00   | 3987837 | H04W 4/40    |
| 3974824 | G01N 29/22  | 3980994 | G10L 25/51   | 3987837 | H04W 84/18   |
| 3975127 | G06T 15/06  | 3980994 | H03G 5/02    | 3987837 | B60R 16/023  |
| 3975127 | G06T 1/60   | 3981066 | H02K 7/14    | 3987837 | H04W 4/80    |
| 3975664 | H05B 6/42   | 3981066 | H02P 27/08   | 3987837 | H04W 84/00   |
| 3975664 | C21D 1/10   | 3981066 | H02M 7/537   | 3987875 | H04L 5/00    |
| 3975664 | C21D 9/28   | 3981066 | H02M 7/5387  | 3987875 | H04W 84/06   |
| 3975664 | C21D 1/42   | 3981066 | H02P 3/22    | 3987875 | H04W 48/10   |
| 3975664 | F27D 11/06  | 3981066 | H02P 3/18    | 3987875 | H04L 1/18    |
| 3977420 | G07C 9/00   | 3981066 | B25F 5/00    | 3987875 | H04J 11/00   |
| 3977420 | H04M 1/7241 | 3981154 | H04N 19/44   | 3987875 | H04W 56/00   |
| 3977665 | H04B 7/06   | 3981308 | A47L 9/20    | 3988418 | B62D 31/00   |
| 3977665 | H04B 17/373 | 3981308 | A47L 9/10    | 3988770 | F02C 7/14    |
| 3977665 | H04W 72/12  | 3981351 | A61B 17/15   | 3988770 | F02C 7/08    |
| 3977826 | H05K 9/00   | 3981351 | A61B 34/00   | 3988815 | B61F 5/24    |
| 3977826 | H01F 17/06  | 3981351 | A61B 90/50   | 3988815 | B60G 17/056  |
| 3977826 | H01F 27/06  | 3981351 | A61B 17/32   | 3988815 | F16F 9/46    |
| 3977826 | H02M 7/00   | 3982729 | A01N 63/50   | 3988986 | G02B 21/22   |
| 3977866 | A23L 27/24  | 3982729 | C12R 1/07    | 3988986 | G02B 21/36   |
| 3978093 | F16J 13/12  | 3982729 | C12N 1/20    | 3989739 | A23L 19/18   |
| 3978093 | B01L 3/00   | 3982729 | A01N 63/23   | 3989903 | A61B 5/00    |
| 3979615 | H04N 23/73  | 3982729 | A01P 7/04    | 3989903 | A61G 13/00   |
| 3979615 | H04N 23/74  | 3983407 | C07D 417/14  | 3989903 | A61G 13/12   |
| 3979615 | H04N 23/12  | 3983407 | A61P 29/00   | 3989903 | A61N 7/02    |
| 3979615 | H04N 23/55  | 3983407 | A61P 35/00   | 3989903 | A61B 5/055   |
| 3979615 | H04N 25/13  | 3983407 | A61K 31/4155 | 3989903 | A61B 6/04    |
| 3979615 | H04N 25/133 | 3983407 | C07D 409/14  | 3990290 | B41M 3/00    |
| 3979615 | H04N 25/42  | 3983407 | A61K 31/454  | 3990290 | B41J 3/407   |
| 3979615 | H04N 25/587 | 3983629 | B60R 25/20   | 3990755 | B29L 31/00   |
| 3979615 | H04N 23/56  | 3983629 | H01Q 1/32    | 3990755 | B23Q 3/06    |
| 3979615 | H04N 25/531 | 3985160 | D06F 23/04   | 3990755 | B29C 70/54   |
| 3979615 | H04N 25/589 | 3985160 | D06F 39/10   | 3990755 | B29C 70/02   |
| 3979615 | H04N 25/131 | 3985160 | D06F 39/08   | 3990755 | B25B 5/06    |
| 3979954 | A61F 2/72   | 3985160 | D06F 31/00   | 3990755 | F01D 11/12   |
| 3979954 | A61N 1/36   | 3986572 | A61K 8/73    | 3990755 | B29C 53/20   |
| 3979954 | A61F 2/70   | 3986572 | A61K 8/99    | 3990755 | B61D 45/00   |
| 3979954 | A61B 5/11   | 3986572 | A61K 8/60    | 3992840 | H10K 59/131  |
| 3980152 | G01N 30/72  | 3986824 | D04G 1/00    | 3992840 | H10K 71/00   |
| 3980152 | G01N 30/34  | 3986824 | D04H 3/045   | 3992840 | H10K 59/126  |
| 3980152 | G01N 30/88  | 3986824 | B29D 28/00   | 3992840 | G09G 3/3233  |
| 3980152 | G01N 33/92  | 3987152 | E21B 43/12   | 3992840 | G06V 40/13   |
| 3980152 | G01N 33/68  | 3987720 | H04L 43/0876 | 3993260 | H03F 1/56    |

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|---------|--------------|---------|--------------|---------|--------------|
| 3993260 | H03H 7/48    | 4002810 | H04L 61/2575 | 4011852 | A61L 27/04   |
| 3993260 | H03F 3/19    | 4002810 | H04L 69/16   | 4011978 | C09J 11/06   |
| 3994509 | G02B 6/122   | 4002810 | H04L 67/288  | 4011978 | C08G 59/62   |
| 3994509 | G02B 6/12    | 4002926 | H04W 76/28   | 4011978 | C08G 59/64   |
| 3994604 | G06V 20/52   | 4003178 | A61B 8/08    | 4011978 | C08G 59/68   |
| 3994604 | G06V 10/82   | 4003178 | G16H 30/40   | 4011978 | C09J 171/02  |
| 3995679 | F02C 7/224   | 4003870 | B65D 73/00   | 4011978 | C09J 133/04  |
| 3997821 | H04L 1/16    | 4003870 | B65D 71/42   | 4011978 | C08G 59/58   |
| 3997858 | H04N 23/52   | 4005139 | H04L 1/1867  | 4011978 | C08G 59/56   |
| 3997858 | G02B 7/02    | 4005139 | H04B 7/155   | 4011978 | C08F 30/08   |
| 3997858 | H04N 23/55   | 4005139 | H04W 88/04   | 4011978 | C08F 290/04  |
| 3997858 | G03B 17/12   | 4005139 | H04W 72/0446 | 4011978 | C08G 65/336  |
| 3997858 | G03B 30/00   | 4005139 | H04W 72/23   | 4011978 | C08L 43/04   |
| 3997858 | G03B 17/02   | 4005139 | H04L 1/1829  | 4011978 | C08F 8/42    |
| 3997858 | H04M 1/02    | 4005139 | H04B 7/14    | 4011978 | C08G 59/50   |
| 3997858 | H04N 23/57   | 4005146 | H04L 9/14    | 4011978 | C08F 220/14  |
| 3999009 | A61F 13/47   | 4006302 | F04C 2/10    | 4011978 | C08L 63/00   |
| 3999009 | A61F 13/49   | 4006302 | F04C 15/00   | 4011978 | C09J 163/00  |
| 3999009 | A61F 13/535  | 4006629 | G02F 1/035   | 4012129 | C09K 3/10    |
| 3999246 | B05B 11/02   | 4008100 | H04M 1/7244  | 4012385 | G06N 3/08    |
| 3999246 | B05B 15/30   | 4008100 | H04M 1/02    | 4012385 | G06N 3/045   |
| 3999246 | B05B 1/28    | 4008100 | H04M 1/57    | 4012727 | H01C 17/22   |
| 3999246 | B05B 15/65   | 4008100 | G06F 3/0484  | 4012727 | H01C 1/16    |
| 3999246 | B05B 1/34    | 4008100 | G06F 3/0482  | 4012727 | H01C 1/144   |
| 3999246 | A45D 34/04   | 4008100 | G06F 3/0488  | 4012727 | H01C 7/06    |
| 4000350 | F24C 15/32   | 4008100 | G06F 1/16    | 4012727 | H01C 1/146   |
| 4000911 | B29C 65/70   | 4008100 | G06F 3/0481  | 4012727 | H01C 17/28   |
| 4000911 | B29C 70/28   | 4008100 | G06F 3/0488  | 4013321 | A61B 17/58   |
| 4000911 | B29D 99/00   | 4008143 | H04W 72/23   | 4013321 | A61B 17/88   |
| 4000911 | B29C 33/42   | 4008143 | H04L 5/00    | 4013321 | A61F 2/44    |
| 4000911 | B29C 70/20   | 4008143 | H04W 72/30   | 4013321 | A61B 17/68   |
| 4000911 | B29K 105/10  | 4008143 | H04L 1/1822  | 4013321 | A61B 17/86   |
| 4000911 | B29C 70/38   | 4008143 | H04L 1/1829  | 4014047 | A61K 31/7088 |
| 4000911 | B29C 70/08   | 4008143 | H04L 1/1867  | 4014047 | C12Q 1/68    |
| 4000911 | B29C 53/04   | 4009734 | H04W 80/08   | 4014047 | A61K 31/506  |
| 4001694 | F16H 57/00   | 4009734 | H04W 76/15   | 4014047 | A61K 31/198  |
| 4002810 | H04L 61/2553 | 4009734 | H04W 76/30   | 4014047 | A61P 35/00   |
| 4002810 | H04L 61/2514 | 4009840 | H05B 6/02    | 4014047 | A61P 3/08    |
| 4002810 | H04L 69/325  | 4009840 | H05B 6/06    | 4014047 | A61K 31/662  |
| 4002810 | H04L 67/567  | 4009840 | A47J 36/32   | 4014047 | A61K 45/06   |
| 4002810 | H04L 69/326  | 4009840 | H05B 6/04    | 4014047 | G01N 33/574  |
| 4002810 | H04L 67/02   | 4009840 | H05B 6/00    | 4014047 | A61K 31/655  |
| 4002810 | H04L 61/2589 | 4009840 | A47J 37/06   | 4014175 | G06N 10/70   |
| 4002810 | H04L 67/1021 | 4010543 | E04D 13/04   | 4014576 | H04W 12/10   |
| 4002810 | H04L 12/46   | 4010543 | E04D 13/064  | 4014576 | H04W 60/00   |
| 4002810 | H04L 69/329  | 4011852 | C04B 35/645  | 4014576 | H04W 48/08   |
| 4002810 | H04L 67/563  | 4011852 | C04B 35/486  | 4014576 | H04W 12/00   |
| 4002810 | G06F 16/9538 | 4011852 | C04B 35/626  | 4014646 | H04L 27/00   |

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| 4014646 | H04L 1/00    | 4022358 | G01S 13/931  | 4025877 | G01N 21/76   |
| 4014646 | H04W 74/0808 | 4022358 | G08B 21/02   | 4025877 | G01N 21/64   |
| 4014646 | H04W 72/23   | 4022358 | B60Q 1/00    | 4025877 | G01J 1/08    |
| 4014646 | H04W 72/12   | 4022358 | G01S 13/87   | 4025877 | G01N 21/00   |
| 4014646 | H04W 74/00   | 4022358 | G01S 13/42   | 4025877 | G01K 11/32   |
| 4014646 | H04L 5/14    | 4022358 | G08B 21/18   | 4025877 | G02B 6/00    |
| 4015373 | B64D 45/00   | 4022358 | G01S 7/00    | 4025877 | H04B 10/25   |
| 4015373 | B64C 25/60   | 4022358 | B25J 9/16    | 4025878 | G01P 1/02    |
| 4015943 | F25B 49/00   | 4022358 | G01S 15/04   | 4025878 | G01D 5/245   |
| 4015943 | B60H 1/00    | 4022358 | F16P 3/14    | 4026670 | F16C 11/04   |
| 4015943 | F25B 43/00   | 4022358 | B60Q 1/50    | 4026670 | B25J 17/00   |
| 4016465 | G06T 17/30   | 4022358 | B60Q 7/02    | 4026670 | B25J 9/10    |
| 4016465 | G06T 19/20   | 4022358 | B60Q 9/00    | 4026670 | B25J 17/02   |
| 4018618 | G06F 21/60   | 4022358 | G01S 15/87   | 4027154 | G01N 9/00    |
| 4018618 | G06Q 20/38   | 4022358 | G01S 15/88   | 4027154 | H01H 33/56   |
| 4018618 | G06Q 30/0601 | 4022604 | G10L 19/012  | 4027154 | H01H 35/26   |
| 4018618 | H04L 67/02   | 4022604 | G10L 21/0208 | 4027154 | G01N 9/26    |
| 4018618 | G06Q 20/34   | 4022604 | G10L 15/00   | 4027983 | A61P 27/02   |
| 4018618 | G06Q 30/0226 | 4022834 | H04W 52/34   | 4027983 | A61K 35/761  |
| 4018618 | H04L 9/40    | 4022834 | H04L 5/00    | 4027983 | C12N 7/00    |
| 4018731 | H04W 52/24   | 4022834 | H04W 52/36   | 4027983 | A61K 38/17   |
| 4018731 | H04W 52/38   | 4022834 | H04W 52/28   | 4027983 | C12N 15/86   |
| 4018731 | H04W 92/18   | 4022834 | H04W 52/24   | 4028379 | C07C 33/50   |
| 4018731 | H04W 52/32   | 4022834 | H04W 52/26   | 4030496 | H05B 33/28   |
| 4018731 | H04W 52/36   | 4022986 | H04W 52/38   | 4030496 | H01B 13/00   |
| 4018731 | H04L 5/00    | 4023344 | B05B 12/12   | 4030496 | B32B 9/00    |
| 4019920 | G01L 5/00    | 4023344 | B05B 13/04   | 4030496 | H01L 21/288  |
| 4019920 | G01R 27/26   | 4023344 | B05D 7/22    | 4030496 | H10K 71/60   |
| 4019959 | G01N 33/28   | 4023344 | B05C 11/10   | 4030496 | B32B 15/02   |
| 4020470 | G11C 11/56   | 4023344 | B05C 5/02    | 4030496 | H10K 50/816  |
| 4020470 | H10B 53/00   | 4023458 | C08K 5/01    | 4031941 | G05B 19/418  |
| 4020470 | G11C 11/22   | 4023458 | C08L 9/00    | 4032677 | B29C 65/00   |
| 4021103 | H04W 76/27   | 4023458 | C08L 91/06   | 4032677 | B29C 39/12   |
| 4021103 | H04W 88/06   | 4023458 | C08C 19/25   | 4032866 | F24C 15/00   |
| 4021103 | H04W 92/02   | 4025309 | A63B 23/00   | 4032866 | C03C 17/06   |
| 4021696 | B29K 27/06   | 4025309 | A63B 21/00   | 4032866 | C03C 17/32   |
| 4021696 | C08J 3/20    | 4025309 | A63B 21/05   | 4032866 | C03C 17/28   |
| 4021696 | C08K 5/098   | 4025309 | A63B 21/04   | 4033269 | G01S 13/02   |
| 4021696 | C08L 27/06   | 4025510 | B65D 5/68    | 4033269 | G01S 13/91   |
| 4021696 | B29B 7/28    | 4025877 | A61F 13/42   | 4033566 | H01M 10/0525 |
| 4021696 | C08K 5/58    | 4025877 | C09K 11/00   | 4033566 | H01M 4/02    |
| 4021696 | C08K 5/12    | 4025877 | A61M 1/14    | 4033566 | H01M 4/525   |
| 4021696 | B29L 31/34   | 4025877 | G01N 33/49   | 4033566 | C01G 53/00   |
| 4021696 | B29B 7/90    | 4025877 | G01D 5/58    | 4034195 | G16H 20/17   |
| 4022202 | F16J 15/3296 | 4025877 | A61M 39/06   | 4034195 | A61M 5/142   |
| 4022202 | F16J 15/00   | 4025877 | A61M 5/168   | 4034195 | G16H 40/63   |
| 4022358 | B60Q 1/26    | 4025877 | A61M 39/02   | 4034195 | A61M 5/172   |
| 4022358 | B60Q 5/00    | 4025877 | A61F 13/15   | 4034195 | A61M 5/168   |

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| 4034256 | C07D 211/46  | 4040520 | H10K 50/85   | 4057385 | H01M 4/04    |
| 4034256 | C07D 207/28  | 4042112 | G01D 5/245   | 4057385 | H01M 4/38    |
| 4034256 | C07C 63/04   | 4042112 | G01D 5/246   | 4057385 | H01M 4/525   |
| 4034256 | A61K 31/445  | 4042595 | H04L 1/08    | 4057385 | H01M 4/02    |
| 4034256 | C07C 57/15   | 4042595 | H04B 7/26    | 4057385 | H01M 4/131   |
| 4034493 | B23K 26/324  | 4042965 | A61L 2/20    | 4057385 | H01M 4/485   |
| 4034493 | B81B 3/00    | 4044243 | H10K 59/124  | 4057385 | H01M 10/052  |
| 4034493 | H01L 23/10   | 4044243 | G06F 3/041   | 4057385 | H01M 4/505   |
| 4034493 | B23K 26/20   | 4044243 | H10K 59/131  | 4058588 | C12M 3/00    |
| 4034844 | G01F 1/84    | 4046236 | H01Q 1/24    | 4058588 | C12M 1/42    |
| 4034948 | G06N 3/02    | 4046236 | H01Q 3/06    | 4058588 | A61D 19/00   |
| 4034948 | G06N 3/08    | 4047181 | F01D 5/06    | 4060334 | G01N 21/89   |
| 4034948 | G06N 20/00   | 4047181 | F01D 5/04    | 4060334 | G01N 21/88   |
| 4034948 | G06N 5/01    | 4047181 | F01D 25/24   | 4060334 | B23P 23/06   |
| 4034948 | G01S 5/02    | 4047181 | F16B 4/00    | 4060334 | B60R 21/02   |
| 4035339 | H04L 12/46   | 4048011 | H04W 74/0833 | 4060334 | B21D 43/00   |
| 4035339 | H04L 67/10   | 4048011 | H04W 74/00   | 4060334 | G01N 27/82   |
| 4035339 | H04L 12/28   | 4049049 | G01R 31/28   | 4060439 | B25J 9/16    |
| 4035339 | H04L 67/12   | 4049049 | E21B 21/08   | 4060475 | H04M 1/7241  |
| 4035339 | H04L 45/64   | 4049371 | H03M 1/46    | 4060475 | G06F 3/0484  |
| 4037659 | A61K 31/4166 | 4049863 | C08L 21/00   | 4060475 | G06F 3/0481  |
| 4037659 | A61K 9/20    | 4049863 | B60C 1/00    | 4060475 | G09G 5/14    |
| 4038910 | H04W 4/20    | 4049863 | C08L 7/00    | 4060475 | G09G 5/393   |
| 4038910 | H04W 64/00   | 4049863 | B60C 13/00   | 4060475 | H04M 1/7241  |
| 4038910 | G01S 5/00    | 4049863 | C08L 1/02    | 4062057 | F03D 80/80   |
| 4039018 | H04W 64/00   | 4050164 | H04Q 9/00    | 4062058 | F03G 6/06    |
| 4039071 | H05K 5/02    | 4050164 | H04N 7/18    | 4062058 | F03G 6/04    |
| 4039071 | H05K 7/20    | 4050164 | E02F 9/26    | 4063800 | G01K 11/3206 |
| 4039071 | H04Q 1/02    | 4050164 | E02F 3/43    | 4063800 | G01M 3/00    |
| 4039446 | B29C 48/92   | 4050164 | G08C 17/02   | 4063800 | G01M 3/08    |
| 4039446 | C08L 67/02   | 4051039 | D04B 1/24    | 4063800 | G01M 3/38    |
| 4039446 | B29C 61/02   | 4051039 | A41B 1/08    | 4063800 | G01L 1/24    |
| 4039446 | B29C 48/305  | 4051514 | C08L 21/00   | 4063800 | G01D 3/10    |
| 4039446 | B29C 55/14   | 4052795 | F25B 1/00    | 4064612 | G07D 7/004   |
| 4039446 | B29C 48/00   | 4052795 | F04B 39/04   | 4064612 | H04L 9/08    |
| 4039446 | B29C 48/08   | 4052795 | B01D 45/12   | 4064644 | H04L 47/2416 |
| 4039446 | C08J 5/18    | 4052795 | F25B 43/02   | 4064644 | H04Q 11/06   |
| 4039446 | B29C 71/02   | 4052968 | H02G 15/115  | 4064644 | H04Q 11/04   |
| 4039463 | B32B 27/16   | 4052968 | H01H 85/54   | 4064644 | H04L 45/16   |
| 4039463 | B32B 27/08   | 4052968 | H01H 85/00   | 4064644 | G06F 15/78   |
| 4039463 | C08J 7/048   | 4053126 | A61P 3/04    | 4064644 | H04L 45/28   |
| 4039463 | B32B 27/32   | 4053126 | C07D 471/08  | 4064788 | F24H 1/00    |
| 4039463 | C08J 7/043   | 4053126 | A61K 31/436  | 4066352 | H04B 5/43    |
| 4039463 | B32B 7/12    | 4054482 | D03D 13/00   | 4066352 | H04B 5/79    |
| 4039463 | B32B 27/00   | 4055564 | H04N 13/271  | 4066352 | H02J 50/12   |
| 4039463 | B65D 81/38   | 4055564 | H04N 13/282  | 4066352 | H01F 38/14   |
| 4039463 | B65D 65/40   | 4057385 | H01M 4/1391  | 4066352 | H04B 5/26    |
| 4039463 | B65D 75/00   | 4057385 | H01M 4/36    | 4066352 | H02J 50/50   |

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| 4067731 | F21S 43/14   | 4074307 | A61K 47/38   | 4080038 | F16H 53/02  |
| 4067731 | F21S 41/25   | 4075119 | G01N 21/53   | 4080038 | F02M 59/10  |
| 4067731 | F21S 43/40   | 4075119 | A61B 5/1455  | 4080038 | F04B 1/0413 |
| 4067731 | F21S 43/20   | 4075119 | G01N 21/05   | 4080038 | F04B 9/04   |
| 4067988 | G02F 1/1343  | 4075119 | G01N 33/49   | 4080536 | H02M 7/537  |
| 4068229 | G07C 9/27    | 4075119 | G01N 21/85   | 4080536 | H03K 17/64  |
| 4068229 | G07C 9/00    | 4075119 | G01N 21/59   | 4080536 | H01H 47/32  |
| 4068587 | H02K 7/00    | 4075887 | H04W 52/14   | 4081153 | G16H 20/40  |
| 4068587 | H02K 7/14    | 4075887 | H04W 52/36   | 4081153 | G16H 40/63  |
| 4069345 | A61B 5/02    | 4075887 | H04W 52/50   | 4081153 | A61B 34/32  |
| 4069345 | A61F 2/24    | 4077047 | F21W 102/155 | 4081153 | A61B 8/12   |
| 4069345 | A61B 17/11   | 4077047 | G06V 10/141  | 4081153 | G16H 30/40  |
| 4070003 | F16L 27/08   | 4077047 | F21W 102/145 | 4081153 | A61B 34/10  |
| 4070156 | G02C 13/00   | 4077287 | C07D 317/34  | 4081153 | G06N 3/08   |
| 4070156 | A61B 3/04    | 4077287 | C07D 493/18  | 4081153 | A61B 6/00   |
| 4070156 | G02C 5/12    | 4077287 | C07C 43/32   | 4081153 | A61B 34/20  |
| 4070283 | A61B 34/20   | 4077508 | C08J 11/10   | 4081153 | A61B 90/00  |
| 4070283 | A61B 90/00   | 4077508 | C08J 9/12    | 4082163 | H04L 9/00   |
| 4071183 | C08L 33/08   | 4077805 | D21H 27/10   | 4082163 | H04L 9/32   |
| 4071183 | C08L 33/04   | 4077805 | D21H 19/50   | 4082543 | A61K 47/36  |
| 4071183 | C08F 220/18  | 4077805 | D21H 19/52   | 4082543 | A61K 9/70   |
| 4071570 | G05B 17/02   | 4077805 | D21H 19/54   | 4082543 | A61L 31/10  |
| 4071570 | G05B 13/04   | 4077819 | E02F 9/20    | 4082543 | A61K 47/18  |
| 4071725 | G06T 13/00   | 4077819 | E02F 9/26    | 4082543 | A61P 25/20  |
| 4071725 | G06V 20/20   | 4078544 | B65H 5/38    | 4082543 | A61L 31/16  |
| 4071725 | G06V 40/16   | 4078544 | G07D 11/16   | 4082543 | A61K 9/00   |
| 4071725 | G06T 11/00   | 4078544 | G07D 11/00   | 4082543 | A61M 37/00  |
| 4072079 | H04L 45/00   | 4078544 | G07D 11/10   | 4083332 | E02F 3/42   |
| 4072079 | H04L 45/50   | 4078563 | A61D 1/00    | 4083332 | E02F 9/00   |
| 4073172 | A61K 8/81    | 4078563 | G09F 3/08    | 4083332 | F16H 37/08  |
| 4073172 | C08K 5/17    | 4078563 | A01K 11/00   | 4083332 | F16H 1/32   |
| 4073172 | A61K 9/00    | 4078563 | G09F 3/12    | 4083332 | E02F 3/36   |
| 4073172 | A61K 47/32   | 4078563 | G09F 3/00    | 4083332 | F16H 48/08  |
| 4073172 | C08L 33/24   | 4078563 | G06K 19/077  | 4083498 | F21Y 115/10 |
| 4073172 | A61Q 19/00   | 4078853 | H04B 10/40   | 4083498 | F21S 43/16  |
| 4073172 | C08F 220/58  | 4078910 | H04L 47/41   | 4083498 | F21Y 115/30 |
| 4073512 | G01N 33/573  | 4079394 | B01D 46/00   | 4083498 | F21W 103/00 |
| 4073512 | C07D 491/107 | 4079394 | B01D 46/44   | 4083498 | B60Q 1/50   |
| 4073512 | C07D 207/46  | 4079394 | B64D 11/00   | 4083498 | B60Q 1/28   |
| 4073512 | G01N 33/58   | 4079394 | B01D 46/46   | 4083498 | F21W 103/35 |
| 4073512 | G01N 33/574  | 4079506 | B29C 35/02   | 4083498 | F21S 43/40  |
| 4073512 | G01N 33/533  | 4079506 | B29C 35/08   | 4083498 | B60Q 1/26   |
| 4074307 | A61K 47/10   | 4079506 | B29C 70/54   | 4083498 | F21W 104/00 |
| 4074307 | A61K 9/14    | 4079506 | B29C 70/40   | 4083498 | B60Q 1/30   |
| 4074307 | A61K 47/22   | 4079506 | B29K 101/12  | 4083498 | F21S 43/50  |
| 4074307 | A61K 47/02   | 4079506 | B29C 35/16   | 4083498 | F21S 45/70  |
| 4074307 | A61K 47/32   | 4079506 | B32B 5/26    | 4083498 | F21S 43/20  |
| 4074307 | A61K 31/352  | 4080038 | F02M 59/28   | 4083498 | F21S 43/14  |

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| 4084108 | H10K 85/30   | 4090809 | E04G 5/14   | 4096168 | H04L 67/12  |
| 4084108 | H10K 50/17   | 4090809 | F16B 9/00   | 4097349 | F03D 7/04   |
| 4084225 | H01Q 15/00   | 4090809 | F16B 7/04   | 4097530 | G02B 27/28  |
| 4084225 | H01Q 17/00   | 4090809 | F16B 7/00   | 4097530 | G02B 27/14  |
| 4084225 | H05K 9/00    | 4092257 | F02D 19/02  | 4097530 | G02B 21/06  |
| 4084225 | B32B 7/025   | 4092257 | F02D 41/30  | 4097635 | G06V 10/77  |
| 4084256 | H02M 1/42    | 4092405 | G01J 3/10   | 4097635 | G06V 10/56  |
| 4084256 | H02J 3/01    | 4092405 | G01N 21/47  | 4097635 | G06V 10/764 |
| 4084256 | H02J 3/46    | 4092405 | G01N 21/53  | 4097635 | G06T 7/00   |
| 4084272 | G01R 31/40   | 4092405 | G01N 21/51  | 4097635 | G06V 10/98  |
| 4084394 | H04W 76/15   | 4092405 | G01N 21/25  | 4097635 | G06N 5/01   |
| 4084394 | H04J 1/00    | 4092669 | G06F 3/16   | 4097635 | G06V 10/774 |
| 4084394 | H04W 92/20   | 4092669 | G06F 40/216 | 4097635 | G06N 20/20  |
| 4084394 | H04W 72/04   | 4093223 | A24F 40/57  | 4097635 | G16B 25/00  |
| 4084414 | H04L 43/08   | 4093223 | A24F 40/20  | 4097635 | G16B 40/10  |
| 4084414 | H04L 43/026  | 4093223 | A24F 40/51  | 4097635 | G16B 40/20  |
| 4084414 | H04L 43/12   | 4093680 | B65D 25/04  | 4098043 | H04L 5/00   |
| 4084414 | H04L 43/062  | 4093680 | B65D 25/28  | 4098317 | A61N 1/36   |
| 4084708 | A61B 34/30   | 4093680 | B65H 19/22  | 4098317 | A61B 5/00   |
| 4084708 | A61B 17/072  | 4093680 | B65D 81/26  | 4098317 | H01M 4/62   |
| 4084708 | A61B 18/14   | 4093680 | B65D 85/24  | 4099490 | H01M 50/507 |
| 4084708 | A61B 90/00   | 4093680 | B65D 85/00  | 4099490 | H01M 50/691 |
| 4084708 | A61B 34/37   | 4093680 | B65H 19/30  | 4099490 | H01M 50/514 |
| 4084708 | A61B 34/00   | 4093680 | B65D 43/02  | 4099490 | H01M 50/209 |
| 4085313 | A63F 13/5378 | 4094249 | G06V 10/62  | 4100267 | B60G 11/46  |
| 4085313 | G06F 3/01    | 4094249 | G06V 40/20  | 4100267 | F16F 1/30   |
| 4085313 | G02B 27/01   | 4094249 | G06V 20/64  | 4100267 | B60G 9/00   |
| 4085983 | B01J 37/16   | 4094527 | H04W 72/04  | 4100267 | B60G 11/27  |
| 4085983 | H01M 4/92    | 4094527 | H04W 72/23  | 4100267 | B60G 7/02   |
| 4085983 | B01J 23/42   | 4094527 | H04W 24/10  | 4100319 | B64C 3/22   |
| 4085983 | B01J 21/18   | 4095079 | B66B 1/34   | 4100319 | B64U 30/10  |
| 4085983 | H01M 4/88    | 4095079 | B66B 5/02   | 4100319 | B64C 3/18   |
| 4085983 | H01M 8/10    | 4095081 | B66B 13/14  | 4100319 | B64C 3/10   |
| 4085983 | B01J 37/06   | 4095172 | C08L 9/00   | 4100319 | B64C 3/26   |
| 4086164 | B64D 9/00    | 4095172 | C08F 287/00 | 4100319 | B64C 3/20   |
| 4086168 | B64C 25/30   | 4095172 | C08L 33/08  | 4100319 | B64U 10/25  |
| 4087009 | G01L 1/14    | 4095172 | B60C 1/00   | 4100319 | B21D 47/00  |
| 4087009 | H01M 10/0525 | 4095172 | C08F 220/18 | 4100319 | B21D 47/04  |
| 4087009 | G01R 31/385  | 4095172 | C08K 3/36   | 4102932 | H04W 28/04  |
| 4087294 | H04W 72/04   | 4095172 | C08F 297/00 | 4103294 | A63B 71/02  |
| 4087294 | H04L 43/10   | 4095172 | C08L 9/06   | 4103294 | A63B 63/00  |
| 4087294 | H04L 41/0816 | 4095172 | C08K 3/04   | 4104376 | H04W 72/21  |
| 4087294 | H04W 92/18   | 4095579 | H02G 3/22   | 4104376 | H04W 8/24   |
| 4087294 | H04W 28/02   | 4095579 | G02B 6/46   | 4104947 | B60R 19/24  |
| 4087806 | B66B 1/34    | 4095579 | H02G 3/10   | 4104947 | B21D 39/20  |
| 4088438 | H04L 9/08    | 4095840 | G09G 3/3291 | 4104947 | B21D 39/04  |
| 4088438 | H04L 9/00    | 4096168 | H04L 12/12  | 4106035 | H01M 10/052 |
| 4088729 | A61P 35/00   | 4096168 | H04L 9/40   | 4106035 | H01M 50/557 |

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|---------|--------------|---------|-------------|---------|--------------|
| 4106035 | H01M 4/02    | 4111514 | H01M 4/139  | 4116217 | B65D 75/32   |
| 4106035 | H01M 50/552  | 4111514 | H01M 4/38   | 4116383 | C09D 11/38   |
| 4106035 | H01M 10/058  | 4111514 | H01M 4/13   | 4116383 | C09D 11/40   |
| 4106035 | G01B 7/06    | 4111988 | A61B 90/00  | 4116383 | C09D 11/50   |
| 4106035 | G01B 7/00    | 4112203 | B62D 25/08  | 4116384 | C09D 11/50   |
| 4106035 | H01M 10/04   | 4112203 | B21D 39/20  | 4116384 | C09D 11/38   |
| 4106035 | H01M 50/105  | 4112203 | B21D 53/88  | 4116854 | G06F 21/64   |
| 4106035 | H01M 10/0585 | 4112403 | B60W 20/11  | 4116854 | H04L 9/40    |
| 4106035 | H01M 50/531  | 4112403 | B60W 40/06  | 4116854 | G05B 19/042  |
| 4106035 | H01M 10/0587 | 4112403 | B60W 30/188 | 4117365 | H04L 5/14    |
| 4106035 | H01M 50/55   | 4112403 | B60W 50/00  | 4117365 | H04L 5/00    |
| 4106035 | H01M 10/42   | 4112403 | B60W 20/12  | 4117365 | H04W 72/0453 |
| 4106035 | H01M 4/13    | 4112403 | B60W 50/08  | 4118403 | G10K 11/34   |
| 4106035 | H01M 10/0583 | 4112403 | B60W 40/105 | 4118566 | G06V 40/16   |
| 4106077 | G01N 21/88   | 4112403 | B60W 40/072 | 4118753 | H04L 5/00    |
| 4106077 | G01N 21/952  | 4112403 | B60W 20/14  | 4118753 | H04L 25/02   |
| 4108802 | H01J 37/32   | 4112403 | B60W 40/10  | 4118753 | H04W 4/40    |
| 4108802 | H01J 37/34   | 4112403 | B60W 10/26  | 4119417 | B61L 23/00   |
| 4108802 | C23C 14/54   | 4112403 | B60K 6/48   | 4119545 | C07D 231/16  |
| 4108802 | C23C 14/50   | 4112403 | B60W 40/12  | 4119545 | A01N 43/56   |
| 4108990 | F23R 3/28    | 4112403 | B60W 20/15  | 4120375 | H01F 41/30   |
| 4108990 | F23R 3/16    | 4112403 | B60W 20/10  | 4120375 | H10N 50/85   |
| 4109719 | H02K 11/33   | 4113158 | G01S 13/90  | 4120375 | H01F 10/32   |
| 4109719 | H02K 5/24    | 4113611 | H10K 59/12  | 4120375 | G11C 11/16   |
| 4109719 | H02K 7/116   | 4113611 | H10D 86/60  | 4121882 | H04L 9/32    |
| 4109719 | H02K 1/18    | 4113611 | H10D 89/00  | 4121882 | H04L 9/40    |
| 4109719 | H02K 9/19    | 4113611 | H05F 3/00   | 4124325 | A61F 13/02   |
| 4109961 | H04L 1/08    | 4113611 | H10D 89/60  | 4124325 | A61M 1/00    |
| 4109961 | H04L 1/1822  | 4113611 | G02F 1/1333 | 4124325 | A61F 13/00   |
| 4109961 | H04L 5/00    | 4113733 | H01M 50/54  | 4124530 | B60W 60/00   |
| 4109961 | H04L 1/1829  | 4113733 | H01M 50/533 | 4124530 | B60W 50/00   |
| 4109961 | H04L 1/1867  | 4113733 | H01M 50/116 | 4124530 | G06N 20/00   |
| 4110107 | A24F 40/44   | 4113733 | H01M 50/531 | 4125910 | A61K 31/519  |
| 4110107 | A24F 40/10   | 4113733 | H01M 50/543 | 4125910 | A61K 31/506  |
| 4111117 | F26B 5/04    | 4114271 | G06N 3/00   | 4125910 | A61P 25/28   |
| 4111117 | F26B 25/06   | 4114271 | A61B 8/08   | 4125910 | A61K 39/395  |
| 4111117 | F26B 3/347   | 4114271 | G06N 7/00   | 4126051 | A61P 35/00   |
| 4111117 | F26B 25/00   | 4114271 | A61B 8/00   | 4126051 | A61K 39/00   |
| 4111117 | A23B 2/97    | 4114271 | G06T 7/00   | 4126051 | C07K 16/28   |
| 4111117 | F26B 11/02   | 4114271 | G06N 3/045  | 4126051 | A61K 45/06   |
| 4111117 | F26B 5/02    | 4114271 | G06N 3/08   | 4126978 | C08F 265/02  |
| 4111117 | F26B 25/02   | 4114674 | G07F 9/02   | 4126978 | C08F 285/00  |
| 4111117 | A23B 7/028   | 4115042 | C03C 23/00  | 4126978 | C08F 257/02  |
| 4111117 | F26B 11/04   | 4115042 | C03C 17/36  | 4126978 | C08F 220/18  |
| 4111117 | F26B 15/14   | 4115042 | H01Q 15/00  | 4126978 | C09D 5/02    |
| 4111508 | G06N 10/40   | 4115042 | E06B 3/67   | 4126978 | C09D 151/00  |
| 4111508 | H10N 60/10   | 4115042 | B32B 17/06  | 4126978 | C08F 212/08  |
| 4111514 | H01M 10/052  | 4115437 | H02B 13/065 | 4126978 | C08L 33/06   |

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| 4128038 | G09B 29/00  | 4132668 | H04N 1/21    | 4139208 | B64C 25/10  |
| 4128038 | G06F 16/29  | 4132668 | H04N 23/76   | 4139208 | B64C 25/08  |
| 4128038 | G06N 3/045  | 4132668 | H04N 1/195   | 4139208 | B64C 25/00  |
| 4128038 | G01C 11/04  | 4132668 | H04N 23/73   | 4139208 | B64C 25/60  |
| 4128038 | G06Q 50/02  | 4132668 | A63F 3/06    | 4139208 | B64C 25/58  |
| 4128038 | G06V 10/776 | 4132668 | A63F 9/24    | 4139208 | B64C 25/44  |
| 4128038 | G06V 10/82  | 4133209 | G02F 1/1335  | 4139208 | B64C 25/04  |
| 4128038 | G06V 20/13  | 4133310 | G01V 1/48    | 4139208 | B64C 25/02  |
| 4128038 | G06N 3/08   | 4133448 | G06T 7/70    | 4139543 | E05B 27/00  |
| 4129260 | A61F 13/534 | 4133618 | H04B 7/08    | 4139775 | G06F 1/16   |
| 4129260 | A61F 13/535 | 4134034 | A61F 2/46    | 4139775 | G02B 27/01  |
| 4129677 | C08G 18/75  | 4134034 | A61B 17/16   | 4139775 | G06T 19/00  |
| 4129677 | C09J 175/04 | 4134034 | A61B 90/00   | 4139941 | G06T 19/00  |
| 4129677 | C08G 18/42  | 4134034 | A61F 2/30    | 4139941 | G21C 19/20  |
| 4129677 | C08J 7/04   | 4134034 | A61B 17/56   | 4139941 | G21D 3/00   |
| 4129677 | C08L 75/06  | 4134034 | A61B 34/20   | 4139941 | G09B 9/00   |
| 4129677 | C08G 18/08  | 4134034 | A61F 2/44    | 4139941 | G06F 3/00   |
| 4129677 | C08G 18/48  | 4134278 | B60Q 3/62    | 4140170 | G06N 3/08   |
| 4129677 | C08G 18/73  | 4134278 | F21V 8/00    | 4140170 | G06N 3/06   |
| 4129677 | C08G 18/44  | 4134278 | B60Q 3/70    | 4140210 | H04W 76/28  |
| 4129677 | C08G 18/62  | 4134278 | B60J 7/00    | 4140210 | H04W 68/02  |
| 4129677 | C09D 175/04 | 4134278 | G02B 6/00    | 4140210 | H04W 88/08  |
| 4129774 | B60R 25/023 | 4134667 | C12Q 1/68    | 4140424 | A61B 18/00  |
| 4129992 | C08F 124/00 | 4134667 | C12Q 1/6874  | 4140649 | B24D 3/06   |
| 4129992 | C08F 116/38 | 4134667 | G01N 33/543  | 4140649 | B24D 3/20   |
| 4129992 | C08F 2/14   | 4134790 | G06F 1/3287  | 4141012 | H10K 85/60  |
| 4129992 | C08F 16/38  | 4134790 | H04L 12/10   | 4141012 | H10K 101/00 |
| 4129992 | C07D 317/16 | 4134790 | H04L 49/90   | 4141012 | C09K 11/06  |
| 4129992 | C08F 4/34   | 4134923 | G06V 10/143  | 4142142 | G05B 19/18  |
| 4130402 | G06Q 50/08  | 4134923 | G06V 40/12   | 4142142 | G05B 19/404 |
| 4130869 | B29C 65/16  | 4135782 | A61B 90/70   | 4142142 | H02P 29/00  |
| 4130869 | G03B 17/08  | 4135782 | A61B 1/00    | 4142340 | H04W 48/14  |
| 4130869 | H04N 23/52  | 4135782 | H05H 1/24    | 4142340 | H04W 48/20  |
| 4130869 | G03B 30/00  | 4136595 | G06Q 50/00   | 4142402 | H04W 76/40  |
| 4130869 | B29C 65/00  | 4136595 | G06Q 10/00   | 4142402 | H04W 36/00  |
| 4130869 | G01D 11/24  | 4136595 | G06Q 10/06   | 4142402 | H04W 72/30  |
| 4130937 | A61B 5/11   | 4137794 | C09B 23/02   | 4142402 | H04W 4/06   |
| 4131073 | H01Q 1/22   | 4137794 | C09B 67/00   | 4143786 | G06V 10/25  |
| 4131761 | H02M 1/00   | 4137794 | G01N 1/30    | 4143786 | G06V 10/44  |
| 4131761 | H02M 3/00   | 4137794 | C09B 67/44   | 4143786 | G06T 7/143  |
| 4131761 | H02M 3/158  | 4138125 | H01L 21/768  | 4143786 | A61B 1/04   |
| 4132125 | H04L 1/1867 | 4138125 | H01L 21/311  | 4143786 | A61B 1/00   |
| 4132125 | H04L 1/1829 | 4138125 | H01L 21/308  | 4143786 | G06T 7/00   |
| 4132226 | F21S 41/153 | 4138160 | H01M 10/0525 | 4143786 | G06V 10/82  |
| 4132226 | H05B 45/46  | 4138160 | H01M 4/62    | 4143786 | G06T 7/174  |
| 4132508 | A61K 31/38  | 4138160 | H01M 4/525   | 4144635 | H02N 2/18   |
| 4132508 | A61P 35/00  | 4138693 | A61B 17/88   | 4144635 | E04F 15/02  |
| 4132508 | C07D 409/12 | 4139185 | B62D 5/00    | 4144635 | E04B 5/02   |

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|---------|--------------|---------|--------------|---------|-------------|
| 4144650 | B32B 3/28    | 4151878 | F16D 121/04  | 4156393 | H01M 50/267 |
| 4144650 | F02K 1/70    | 4151878 | F16D 123/00  | 4156393 | H01M 50/557 |
| 4145805 | A63F 13/35   | 4151878 | F16D 65/18   | 4156393 | H01M 10/04  |
| 4145805 | H04L 67/1095 | 4151922 | C25B 1/04    | 4158531 | H01J 49/00  |
| 4145805 | H04L 69/164  | 4151922 | F23N 1/02    | 4158531 | G06N 3/08   |
| 4145805 | A63F 13/31   | 4151922 | F24D 19/10   | 4158611 | B62D 15/02  |
| 4145805 | A63F 13/30   | 4152087 | H05K 1/02    | 4158611 | G06V 20/58  |
| 4147198 | G06T 7/11    | 4152087 | H05K 1/14    | 4158611 | G08G 1/0965 |
| 4147198 | G06T 7/136   | 4152509 | H01M 50/451  | 4158611 | G06V 20/56  |
| 4147242 | G16H 50/80   | 4152509 | H01M 50/417  | 4158807 | H04L 45/586 |
| 4147242 | G16B 20/20   | 4152509 | H01M 50/457  | 4158807 | H04L 45/02  |
| 4147683 | G02C 5/12    | 4152509 | H01M 50/446  | 4158807 | H04L 12/46  |
| 4147683 | G02C 9/00    | 4152509 | H01M 50/443  | 4159294 | C07C 15/08  |
| 4147797 | G02B 27/00   | 4152509 | H01M 50/434  | 4159294 | C07C 7/13   |
| 4147797 | B06B 1/06    | 4152509 | H01M 50/42   | 4159929 | E02F 9/20   |
| 4148049 | H10K 85/40   | 4152509 | H01M 10/052  | 4160005 | F03D 17/00  |
| 4148049 | C07D 307/91  | 4153010 | F25D 3/08    | 4160580 | G02F 1/1333 |
| 4148049 | C07F 5/02    | 4153994 | G01N 33/542  | 4160711 | H01M 50/24  |
| 4148049 | H10K 50/11   | 4153994 | C12Q 1/02    | 4160711 | H01M 50/124 |
| 4148049 | H10K 85/60   | 4154815 | A61B 5/15    | 4160711 | H01M 50/141 |
| 4148049 | C07D 333/76  | 4155023 | B24B 41/04   | 4160711 | H01M 50/209 |
| 4148049 | C07F 9/6571  | 4155023 | B24B 45/00   | 4160711 | H01M 50/231 |
| 4148049 | C07B 59/00   | 4155023 | B24B 55/02   | 4160711 | H01M 50/121 |
| 4148049 | C07D 409/10  | 4155023 | B23Q 11/00   | 4162375 | G06Q 20/36  |
| 4148049 | C07F 7/08    | 4155023 | B23B 29/02   | 4162375 | G06Q 50/26  |
| 4148495 | C08K 5/00    | 4155023 | B23B 3/22    | 4162375 | G06Q 20/40  |
| 4148495 | C08K 3/04    | 4155023 | B24B 41/00   | 4162375 | G06F 21/64  |
| 4148495 | C08K 7/14    | 4155023 | B23C 5/00    | 4162375 | G06F 21/34  |
| 4148495 | C08K 5/134   | 4155151 | G06V 20/58   | 4162375 | G06T 1/00   |
| 4148495 | C08J 3/12    | 4155151 | B60W 60/00   | 4162375 | G06Q 50/18  |
| 4148536 | G11C 5/14    | 4155151 | G06F 3/01    | 4163655 | G01R 31/392 |
| 4148910 | H01R 13/6581 | 4155967 | G06F 16/2458 | 4163655 | H01M 10/42  |
| 4148910 | H02G 3/00    | 4155967 | G06F 16/2452 | 4163655 | G01R 31/36  |
| 4148910 | H01R 11/26   | 4156095 | G06V 10/98   | 4163655 | H01M 10/48  |
| 4148910 | B60R 16/00   | 4156095 | G06Q 20/40   | 4163655 | G01R 27/02  |
| 4149343 | A61B 3/08    | 4156095 | G06T 7/73    | 4163655 | G01R 31/14  |
| 4151044 | H04W 24/02   | 4156095 | G06T 7/00    | 4163655 | H01M 10/44  |
| 4151044 | H04W 88/08   | 4156095 | G06V 10/80   | 4163655 | G01R 31/382 |
| 4151044 | H04W 92/20   | 4156193 | G16B 15/30   | 4164728 | A61K 47/34  |
| 4151044 | H04W 74/0833 | 4156302 | H10D 62/17   | 4164728 | A61K 35/17  |
| 4151044 | H04W 36/00   | 4156302 | H10D 62/832  | 4164728 | A61K 45/00  |
| 4151044 | H04W 84/04   | 4156302 | H10D 30/66   | 4164728 | A61M 37/00  |
| 4151866 | F16B 12/10   | 4156302 | H10D 12/00   | 4164728 | A61M 35/00  |
| 4151878 | F16D 55/228  | 4156393 | H01M 50/204  | 4165013 | C07C 233/47 |
| 4151878 | F16D 125/06  | 4156393 | H01M 10/42   | 4165013 | C07C 233/49 |
| 4151878 | F16D 121/24  | 4156393 | H01M 50/102  | 4165013 | A61K 31/00  |
| 4151878 | F16D 65/00   | 4156393 | H01M 50/269  | 4165013 | A61K 8/00   |
| 4151878 | F16D 125/40  | 4156393 | H01M 50/14   | 4165013 | A61Q 19/00  |

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|---------|--------------|---------|--------------|---------|--------------|
| 4165450 | G06T 7/80    | 4171869 | E01F 15/00   | 4181278 | H01M 50/211  |
| 4165450 | H04N 23/56   | 4172157 | A61P 31/12   | 4181278 | H01M 10/653  |
| 4165450 | H04N 17/00   | 4172157 | A61K 31/4375 | 4181278 | H01M 10/647  |
| 4165450 | H04N 13/246  | 4172157 | A61P 31/18   | 4181390 | H02M 3/158   |
| 4165450 | H04N 23/75   | 4172157 | C07D 513/04  | 4181390 | H02M 1/32    |
| 4165450 | G02B 5/18    | 4172157 | A61K 31/437  | 4181390 | H02M 1/42    |
| 4165450 | G01B 11/25   | 4172457 | E21B 47/098  | 4181390 | H02M 1/00    |
| 4165450 | G02B 27/42   | 4172457 | E21B 17/10   | 4181732 | F16B 12/26   |
| 4165450 | H04N 25/61   | 4173861 | E06B 3/46    | 4181732 | B27F 1/04    |
| 4165450 | G02B 27/09   | 4174396 | F24F 7/08    | 4181732 | B23C 3/30    |
| 4165852 | G06Q 20/40   | 4174396 | F24F 13/20   | 4181732 | F16B 12/24   |
| 4165852 | G06Q 20/32   | 4174396 | F24F 13/02   | 4181883 | A61K 9/20    |
| 4165852 | H04L 9/32    | 4174506 | H01M 10/48   | 4181883 | A61K 31/496  |
| 4165852 | G06F 21/32   | 4174506 | G01R 31/52   | 4182894 | G06V 10/82   |
| 4166267 | B23K 9/02    | 4174506 | G01R 27/02   | 4183004 | H01R 13/422  |
| 4166267 | B23K 9/095   | 4174506 | G01R 31/3842 | 4183004 | H02B 1/21    |
| 4166958 | G01R 31/3832 | 4174506 | G01R 27/08   | 4183006 | H01R 13/52   |
| 4166958 | G01R 35/00   | 4174506 | G01R 31/396  | 4183006 | H01R 13/6596 |
| 4166958 | H01M 10/42   | 4174506 | G01R 31/387  | 4183006 | H01R 103/00  |
| 4166958 | H01M 10/48   | 4175349 | H04W 24/08   | 4183006 | H01R 13/74   |
| 4167048 | G09F 9/30    | 4175349 | H04B 17/336  | 4183085 | H04J 13/12   |
| 4167048 | H04M 1/02    | 4175349 | H04B 17/309  | 4183085 | H04L 27/26   |
| 4167048 | G09F 9/00    | 4175508 | A45D 40/06   | 4183085 | H04L 27/30   |
| 4167048 | H01Q 1/24    | 4175508 | A45D 40/02   | 4184004 | F16H 57/023  |
| 4167773 | A24D 3/17    | 4175508 | A45D 40/04   | 4184004 | F16H 57/04   |
| 4167773 | A24F 40/485  | 4175823 | B60C 11/00   | 4184004 | H02K 7/116   |
| 4167849 | A61B 5/103   | 4175823 | B60C 11/03   | 4184004 | B60K 17/04   |
| 4167849 | A61M 16/00   | 4175823 | B29C 48/12   | 4184004 | F16D 1/02    |
| 4167849 | A61M 16/04   | 4175823 | B29C 48/30   | 4184004 | B60K 7/00    |
| 4168011 | A61P 35/00   | 4175823 | B29C 48/21   | 4184004 | F16D 1/108   |
| 4168011 | A61K 31/4745 | 4175823 | B29C 48/49   | 4184004 | F16H 1/46    |
| 4168011 | A61K 9/50    | 4176133 | E01B 27/16   | 4184004 | F16D 1/10    |
| 4168011 | A61K 9/20    | 4176525 | H04L 43/16   | 4184231 | G02B 7/28    |
| 4168011 | A61K 31/437  | 4176525 | H04L 5/00    | 4184231 | G03B 15/14   |
| 4168291 | B32B 37/00   | 4176525 | H04L 41/0668 | 4184231 | G02B 23/24   |
| 4168291 | B62D 29/04   | 4176525 | H04B 7/08    | 4184231 | H04N 23/50   |
| 4168291 | B62D 21/10   | 4178954 | A61P 11/02   | 4184231 | G03B 13/36   |
| 4168291 | B62D 24/00   | 4178954 | A61P 19/02   | 4184231 | H04N 23/67   |
| 4168291 | B32B 27/00   | 4178954 | A61K 31/506  | 4184260 | H05K 7/14    |
| 4169192 | H04L 1/1607  | 4179333 | C07K 14/51   | 4184388 | G06N 3/048   |
| 4169192 | H04L 1/1822  | 4179333 | A61K 38/18   | 4184388 | G06T 5/00    |
| 4169322 | H04L 1/08    | 4180570 | D21D 1/30    | 4184388 | G06N 3/084   |
| 4169787 | B60W 30/09   | 4181099 | G06Q 10/04   | 4184388 | G06N 3/04    |
| 4169787 | B60W 30/14   | 4181099 | G07C 5/02    | 4184388 | G06T 5/90    |
| 4169787 | B60W 40/04   | 4181278 | H01M 10/6551 | 4184388 | H04N 1/58    |
| 4171725 | A61N 1/365   | 4181278 | H01M 50/242  | 4184388 | H04N 1/60    |
| 4171725 | A61N 1/368   | 4181278 | H01M 10/613  | 4184388 | G06N 3/045   |
| 4171869 | B60P 3/40    | 4181278 | H01M 50/569  | 4184388 | G06N 3/08    |

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| 4184471 | G08G 1/00    | 4187267 | H01M 50/284 | 4192571 | A61M 25/01  |
| 4184471 | G08G 1/09    | 4187267 | H01M 50/507 | 4192571 | A61M 60/841 |
| 4184675 | H01M 10/625  | 4187632 | H01M 4/36   | 4192571 | A61M 25/04  |
| 4184675 | H01M 10/613  | 4187632 | H01M 4/1395 | 4192571 | A61M 60/295 |
| 4184675 | H01M 10/647  | 4187632 | H01M 4/134  | 4192571 | A61M 60/861 |
| 4184675 | H01M 10/6556 | 4187632 | H01M 4/38   | 4192571 | A61M 60/867 |
| 4184675 | H01M 50/264  | 4187632 | H01M 4/02   | 4192571 | A61M 60/32  |
| 4184675 | H01M 50/262  | 4188122 | A23N 12/12  | 4192571 | A61M 60/531 |
| 4184675 | H01M 50/224  | 4188273 | A61C 8/00   | 4192571 | A61M 25/10  |
| 4184675 | H01M 50/242  | 4188585 | B01D 53/22  | 4192571 | A61M 60/585 |
| 4184675 | H01M 50/209  | 4188585 | B01D 71/02  | 4193275 | G01V 1/30   |
| 4184675 | H01M 10/6554 | 4189357 | G01R 31/00  | 4193275 | G06T 17/00  |
| 4184675 | H01M 50/204  | 4189442 | G06N 3/045  | 4193275 | G01V 1/22   |
| 4184675 | H01M 50/249  | 4189442 | G06N 3/08   | 4193285 | G06F 21/55  |
| 4184750 | H02J 7/00    | 4189442 | G01V 20/00  | 4193285 | H04L 41/142 |
| 4184900 | F16C 11/04   | 4189782 | H01R 13/58  | 4196447 | C02F 1/00   |
| 4184900 | G06F 1/16    | 4189782 | H01R 9/24   | 4196447 | C02F 5/08   |
| 4184916 | G09G 3/00    | 4189845 | G01S 5/02   | 4196447 | G01F 23/292 |
| 4184916 | H04N 13/324  | 4189845 | H04W 64/00  | 4196447 | F24D 19/00  |
| 4184916 | G02B 3/00    | 4189845 | H04B 7/08   | 4196748 | G06F 16/29  |
| 4184916 | H04N 13/302  | 4189845 | H04B 7/0404 | 4196748 | G06N 3/02   |
| 4184916 | G02B 30/29   | 4189845 | G01S 5/00   | 4196748 | G06V 10/00  |
| 4184916 | G02F 1/1347  | 4190197 | A43B 13/42  | 4196748 | G01C 21/00  |
| 4184916 | H04N 13/351  | 4190197 | A43B 7/14   | 4196748 | G01S 19/38  |
| 4184917 | H04N 19/597  | 4190197 | A43B 23/08  | 4196854 | G05B 17/02  |
| 4185023 | H04W 52/36   | 4190197 | A43B 13/14  | 4197109 | H04B 7/0426 |
| 4186417 | A61B 5/055   | 4190197 | A43B 23/22  | 4197109 | H04B 7/0452 |
| 4186758 | F16D 57/00   | 4190197 | A43B 13/41  | 4197249 | H04W 48/18  |
| 4187060 | F01D 21/00   | 4190454 | G01B 11/06  | 4197502 | A61F 9/00   |
| 4187060 | F01D 5/30    | 4190454 | G06N 20/00  | 4197810 | B32B 3/20   |
| 4187060 | F01D 25/28   | 4190454 | G05B 19/418 | 4197810 | B32B 25/10  |
| 4187060 | F01D 5/28    | 4190454 | B05B 12/10  | 4197810 | B32B 3/18   |
| 4187267 | H01M 50/569  | 4190454 | B05B 12/12  | 4197810 | B32B 25/04  |
| 4187267 | H01M 50/209  | 4190454 | B05B 16/00  | 4197810 | B60C 7/14   |
| 4187267 | H01M 50/503  | 4190630 | B60N 2/64   | 4197810 | B32B 3/12   |
| 4187267 | G01R 31/396  | 4190733 | B65H 75/36  | 4197810 | B32B 3/08   |
| 4187267 | H01M 10/42   | 4190733 | B63B 35/04  | 4197810 | D03D 11/02  |
| 4187267 | H01M 50/271  | 4190733 | B25J 11/00  | 4197810 | B32B 7/05   |
| 4187267 | G01R 31/385  | 4190733 | B65H 75/42  | 4197810 | B32B 5/02   |
| 4187267 | H01M 50/211  | 4190733 | B25J 5/00   | 4198081 | C08L 67/02  |
| 4187267 | H01M 50/519  | 4191101 | F16K 25/00  | 4198081 | C08K 3/013  |
| 4187267 | H01M 50/50   | 4191101 | F16K 27/02  | 4198081 | C08L 101/00 |
| 4187267 | G01R 31/36   | 4191101 | F16K 1/226  | 4198081 | B29C 48/00  |
| 4187267 | H01M 10/48   | 4191296 | G02B 6/32   | 4198081 | C08L 67/03  |
| 4187267 | G01R 31/3835 | 4191296 | G02B 6/36   | 4198081 | C08L 69/00  |
| 4187267 | G01R 1/04    | 4191296 | G02B 6/38   | 4198081 | C08K 7/14   |
| 4187267 | H01M 50/296  | 4191975 | H04L 9/40   | 4198293 | F02K 1/72   |
| 4187267 | H01M 50/516  | 4191975 | G06F 21/46  | 4198293 | F02K 1/76   |

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|---------|--------------|---------|-------------|---------|--------------|
| 4198293 | F02K 1/68    | 4204655 | E06B 9/52   | 4209493 | A61K 31/4985 |
| 4198293 | F02K 1/70    | 4204655 | E06B 9/24   | 4209493 | A61P 35/00   |
| 4198319 | F04D 29/044  | 4204655 | E06B 9/384  | 4209540 | C08K 5/14    |
| 4198645 | G04F 7/08    | 4204655 | E06B 9/262  | 4209540 | C08K 5/3447  |
| 4199189 | H01M 50/249  | 4204655 | E06B 9/303  | 4209540 | F16J 15/10   |
| 4199189 | H01M 10/625  | 4204655 | E06B 9/322  | 4209540 | C08L 23/16   |
| 4199189 | H01M 10/6562 | 4204727 | A61M 39/10  | 4209540 | C08K 5/378   |
| 4199189 | H01M 10/6563 | 4204727 | F16L 37/02  | 4209540 | C08K 5/18    |
| 4199189 | H01M 50/375  | 4204727 | F16L 37/34  | 4209540 | C08K 3/22    |
| 4199189 | H01M 50/204  | 4204727 | F16L 37/35  | 4209540 | C08K 5/103   |
| 4199189 | H01M 50/317  | 4204727 | F16L 37/08  | 4209691 | F16D 55/40   |
| 4199189 | H01M 10/42   | 4204997 | A61B 5/00   | 4209691 | F16D 65/78   |
| 4199189 | H01M 10/48   | 4204997 | H04W 12/50  | 4211106 | C07C 69/54   |
| 4200207 | B64D 11/06   | 4204997 | H04W 12/06  | 4212065 | A63H 33/10   |
| 4200207 | B64C 27/56   | 4204997 | A61N 1/372  | 4212065 | A01K 1/02    |
| 4200207 | B64C 13/12   | 4204997 | G06F 21/35  | 4212106 | B05B 7/00    |
| 4200207 | B60N 2/75    | 4204997 | H04B 13/00  | 4212361 | B60C 5/00    |
| 4200488 | E04B 1/94    | 4204997 | H04L 9/40   | 4212361 | B60C 11/03   |
| 4200488 | E04B 2/74    | 4205231 | H01Q 1/38   | 4213358 | H02M 1/36    |
| 4200521 | F22B 1/18    | 4205231 | H01Q 9/04   | 4213358 | H02M 1/32    |
| 4200521 | F22D 7/12    | 4205231 | H01Q 21/06  | 4213358 | H02M 1/00    |
| 4200521 | F01K 27/00   | 4205422 | G08G 1/16   | 4213375 | H02S 20/22   |
| 4200521 | F01K 7/38    | 4205422 | B60W 30/18  | 4213375 | H02S 30/00   |
| 4200521 | B63H 21/20   | 4205521 | A01B 69/04  | 4213375 | H02S 20/26   |
| 4200521 | F01K 23/10   | 4206404 | B63B 27/00  | 4214707 | G10L 21/0216 |
| 4200521 | F01K 7/06    | 4206404 | B63B 35/00  | 4214707 | H04S 1/00    |
| 4200521 | F01K 15/04   | 4206404 | B63B 27/30  | 4215256 | G01N 30/46   |
| 4200521 | F22B 31/00   | 4206404 | B63B 77/00  | 4215256 | G01N 30/32   |
| 4200521 | F01K 23/06   | 4207120 | G08B 13/24  | 4215283 | B60J 5/10    |
| 4201310 | A61B 5/1455  | 4207506 | H01R 13/422 | 4215283 | E05D 5/02    |
| 4201310 | A61B 5/18    | 4207800 | H04R 1/28   | 4215743 | F02N 11/10   |
| 4201310 | A61B 5/024   | 4207800 | H04R 1/30   | 4215933 | G01S 17/66   |
| 4201818 | G06F 3/0346  | 4207800 | H04R 1/02   | 4215933 | G01S 13/72   |
| 4201818 | G06F 3/0481  | 4207887 | H04B 17/364 | 4215933 | G01S 17/86   |
| 4201818 | G06F 1/16    | 4207887 | H04B 17/10  | 4215933 | G01S 7/48    |
| 4201818 | G06F 3/01    | 4207887 | H04B 1/04   | 4215933 | G01S 13/931  |
| 4202288 | F21S 8/00    | 4207887 | H04L 25/02  | 4215933 | G01S 13/86   |
| 4202288 | F21W 131/406 | 4208269 | A63B 33/00  | 4215933 | G01S 17/931  |
| 4202288 | F21V 23/00   | 4208269 | A63B 23/04  | 4216208 | B32B 29/00   |
| 4202288 | G01B 7/30    | 4208269 | A63B 69/00  | 4216208 | B32B 9/00    |
| 4202452 | G01R 31/396  | 4208269 | A63B 71/06  | 4216208 | B32B 27/08   |
| 4202548 | G03F 7/004   | 4208269 | A63B 21/00  | 4216208 | B32B 27/10   |
| 4203302 | H01R 9/24    | 4208269 | A63B 23/00  | 4216208 | B32B 9/06    |
| 4204027 | A61L 31/14   | 4208269 | A63B 21/005 | 4216208 | B32B 15/10   |
| 4204027 | A61L 31/04   | 4208269 | A63B 21/078 | 4216208 | B32B 15/01   |
| 4204027 | A61L 27/50   | 4208971 | H04W 88/04  | 4216208 | B32B 3/12    |
| 4204027 | A61L 27/36   | 4208971 | H04L 1/00   | 4216208 | B32B 3/26    |
| 4204655 | E06B 9/326   | 4209245 | A61B 5/0215 | 4216208 | F02C 7/045   |

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|---------|-------------|---------|--------------|---------|--------------|
| 4216208 | B32B 15/18  | 4219255 | B60T 13/66   | 4223682 | B41J 11/70   |
| 4216208 | B32B 7/08   | 4219940 | G02B 7/04    | 4223682 | B41J 11/00   |
| 4216208 | B32B 15/20  | 4219940 | G02B 27/64   | 4223682 | B65H 85/00   |
| 4216208 | B32B 15/08  | 4219940 | G03B 3/10    | 4223682 | B65H 7/02    |
| 4216208 | G10K 11/172 | 4220522 | G06Q 30/0251 | 4223682 | B65H 35/00   |
| 4216208 | B32B 9/04   | 4220522 | G06F 16/9536 | 4224420 | G06V 10/82   |
| 4216874 | A61B 17/04  | 4220522 | G06Q 30/0241 | 4224654 | H02M 7/00    |
| 4216874 | A61B 17/06  | 4221064 | H04W 72/0446 | 4224654 | H02M 7/06    |
| 4216874 | A61B 90/00  | 4221064 | H04W 72/02   | 4224654 | H02M 7/12    |
| 4216874 | A61B 17/00  | 4221256 | H04R 31/00   | 4224654 | H02M 1/12    |
| 4216874 | A61B 17/12  | 4221256 | H04R 7/10    | 4224654 | H02M 5/458   |
| 4217059 | A61K 38/39  | 4221256 | B81B 3/00    | 4224654 | H02M 7/5387  |
| 4217059 | C07K 14/78  | 4221256 | B81C 1/00    | 4224654 | H02M 7/48    |
| 4217059 | A23L 29/281 | 4221794 | A61M 16/08   | 4225477 | A61M 1/36    |
| 4217059 | A23L 33/00  | 4221794 | A61M 16/20   | 4225477 | B01D 69/08   |
| 4217167 | G05D 1/00   | 4221931 | B25B 5/10    | 4225477 | B01D 71/08   |
| 4217167 | E01C 23/09  | 4221931 | B23Q 3/10    | 4225477 | B01D 69/02   |
| 4217167 | G01N 33/38  | 4221931 | B25B 5/00    | 4225477 | B01D 69/14   |
| 4217167 | B28D 7/00   | 4221931 | B25B 11/02   | 4225477 | B01D 71/68   |
| 4217697 | B01F 31/20  | 4222053 | F41A 27/24   | 4226904 | A61G 15/10   |
| 4217697 | B01F 31/86  | 4222053 | F41A 23/56   | 4227705 | H04B 1/10    |
| 4217697 | G01N 1/28   | 4222053 | B64U 10/14   | 4227705 | G01S 7/288   |
| 4217697 | G01N 25/48  | 4222053 | B64D 7/06    | 4227705 | G01S 7/292   |
| 4217697 | G01N 33/38  | 4222053 | F41A 27/08   | 4227705 | G01S 7/35    |
| 4217733 | G01R 31/66  | 4222053 | B64U 101/30  | 4227705 | G01S 13/931  |
| 4217733 | G01R 31/12  | 4222053 | B64U 101/18  | 4228728 | A61M 16/20   |
| 4217863 | G06F 8/60   | 4222053 | F41G 9/00    | 4228728 | A61M 16/10   |
| 4217863 | G06F 9/50   | 4222053 | F41G 3/22    | 4228728 | A61M 16/14   |
| 4217863 | G06F 8/71   | 4222347 | F16L 55/105  | 4228728 | A61M 16/12   |
| 4218055 | H10D 30/69  | 4222347 | F16L 55/132  | 4228728 | A61M 16/06   |
| 4218055 | H10D 30/63  | 4222347 | F16L 55/136  | 4229045 | A61K 31/443  |
| 4218278 | H04W 8/18   | 4222347 | E21B 33/128  | 4229045 | A61K 31/343  |
| 4218278 | H04W 88/02  | 4223479 | B29L 31/56   | 4229045 | A61P 35/00   |
| 4218278 | H04W 12/40  | 4223479 | B32B 3/26    | 4229045 | A61K 31/4155 |
| 4218290 | H04W 92/16  | 4223479 | B65B 61/24   | 4229045 | C07D 405/12  |
| 4218959 | A63B 21/078 | 4223479 | B65B 25/00   | 4229045 | C07D 405/04  |
| 4218959 | A63B 23/12  | 4223479 | B65B 9/20    | 4229045 | A61K 31/4725 |
| 4218959 | A63B 21/00  | 4223479 | B32B 27/08   | 4230372 | B44C 5/04    |
| 4218959 | A63B 23/04  | 4223479 | B65B 55/10   | 4230372 | B32B 21/02   |
| 4218959 | A63B 21/072 | 4223479 | B32B 27/10   | 4230372 | B27D 1/06    |
| 4219041 | H01B 13/02  | 4223479 | B65D 5/74    | 4230988 | G01L 5/00    |
| 4219097 | B25J 5/00   | 4223479 | B32B 37/15   | 4230988 | F16B 31/02   |
| 4219097 | B60L 1/00   | 4223479 | B32B 29/00   | 4230988 | F16B 25/00   |
| 4219097 | H02J 7/00   | 4223479 | B32B 38/04   | 4230988 | G01L 5/24    |
| 4219097 | B25J 9/16   | 4223479 | B65B 61/18   | 4230988 | F16B 13/06   |
| 4219097 | B25J 19/00  | 4223682 | B41J 3/60    | 4230988 | F16B 13/00   |
| 4219097 | B60L 58/12  | 4223682 | B41J 13/10   | 4230988 | G01M 7/00    |
| 4219255 | B60T 13/00  | 4223682 | B65H 3/44    | 4230988 | E21D 21/02   |

|         |              |         |             |         |              |
|---------|--------------|---------|-------------|---------|--------------|
| 4231263 | G08B 25/00   | 4235295 | G03B 30/00  | 4243825 | A61K 45/06   |
| 4231263 | G08B 29/18   | 4235594 | G01N 33/48  | 4243825 | A61P 9/10    |
| 4232393 | B66C 1/62    | 4235594 | G01N 33/483 | 4243825 | A61K 9/00    |
| 4232393 | E04G 11/10   | 4235594 | G06V 10/56  | 4243825 | A61P 7/04    |
| 4232393 | B66C 1/66    | 4235594 | G06V 10/82  | 4245046 | G06F 21/44   |
| 4232393 | E04G 21/16   | 4235594 | G06T 7/00   | 4245046 | H04L 9/40    |
| 4232393 | B65D 19/40   | 4235594 | G06V 10/77  | 4245046 | G07C 9/00    |
| 4232393 | E04G 17/00   | 4235594 | G06V 10/764 | 4245046 | B60R 25/24   |
| 4232393 | B65D 19/44   | 4235594 | G06V 10/774 | 4245046 | H04W 12/121  |
| 4232393 | E04G 17/14   | 4235594 | G01N 33/15  | 4245046 | H04L 9/32    |
| 4232643 | F24D 17/00   | 4235953 | H05H 7/02   | 4245054 | H04W 16/18   |
| 4232643 | E03C 1/126   | 4236139 | H04W 52/54  | 4246116 | G01N 19/04   |
| 4232643 | E03B 7/08    | 4236139 | H04L 1/1829 | 4246123 | G01N 15/00   |
| 4232643 | E03B 1/04    | 4236139 | H04W 52/14  | 4246738 | H01R 24/86   |
| 4233315 | G10K 11/24   | 4236139 | H04L 1/1867 | 4246738 | H01R 13/6597 |
| 4233315 | H04R 3/04    | 4236139 | H04L 5/00   | 4246738 | H01R 13/622  |
| 4233315 | B06B 1/04    | 4236735 | F16K 1/36   | 4246750 | H02M 7/48    |
| 4233315 | H04R 5/02    | 4236735 | F16K 17/04  | 4247244 | A61B 5/257   |
| 4233315 | H04R 29/00   | 4236735 | F16K 1/54   | 4247244 | A61L 15/58   |
| 4233315 | B60N 2/90    | 4238312 | G06N 3/04   | 4247244 | A61B 5/11    |
| 4233315 | B60N 2/879   | 4238312 | H04N 19/467 | 4247244 | A61B 5/024   |
| 4233703 | A61B 5/00    | 4238312 | H04N 19/46  | 4247244 | A61B 5/1455  |
| 4233703 | A61B 5/024   | 4239394 | B60K 35/23  | 4247244 | A61B 5/01    |
| 4233703 | A61B 5/11    | 4239394 | B60K 35/00  | 4247244 | A61B 5/145   |
| 4234024 | A61P 27/02   | 4239394 | B60K 35/40  | 4247244 | A61B 5/021   |
| 4234024 | A61K 35/545  | 4239394 | G02B 27/00  | 4248893 | A61B 17/32   |
| 4234170 | B25D 9/12    | 4241636 | A47J 36/32  | 4248893 | A61B 90/00   |
| 4234170 | B25D 9/14    | 4241636 | A47J 43/06  | 4249069 | A61K 31/5377 |
| 4234294 | B60J 1/10    | 4242216 | B82Y 10/00  | 4249069 | A61K 47/12   |
| 4234578 | C07K 14/705  | 4242216 | H10K 30/57  | 4249069 | A61K 9/00    |
| 4234578 | A61K 31/704  | 4242216 | C07F 9/535  | 4249069 | A61K 47/40   |
| 4234578 | C12N 15/62   | 4242216 | H10K 30/30  | 4249069 | A61K 9/19    |
| 4234578 | A61K 39/00   | 4242216 | H10K 85/60  | 4249069 | A61P 35/00   |
| 4234578 | A61P 35/00   | 4242318 | A61P 31/14  | 4250185 | G06N 10/20   |
| 4234578 | C07K 19/00   | 4242318 | C12N 7/00   | 4251111 | A61F 13/15   |
| 4234578 | C07K 16/28   | 4242318 | A61K 39/215 | 4251466 | H02H 3/087   |
| 4234578 | A61K 9/00    | 4242462 | F04C 18/356 | 4251466 | H01H 33/52   |
| 4234578 | C07K 7/06    | 4242462 | F01C 21/10  | 4251466 | H01H 31/00   |
| 4234578 | B82Y 5/00    | 4242462 | F04C 29/12  | 4251466 | H01H 9/32    |
| 4234578 | A61K 9/51    | 4242462 | F04C 23/00  | 4251466 | H01H 9/26    |
| 4234578 | A61K 39/39   | 4242485 | F16D 13/52  | 4251466 | H01H 33/59   |
| 4234639 | H01M 4/13    | 4242731 | G02C 3/00   | 4251466 | H01H 31/10   |
| 4234639 | H01M 4/139   | 4242887 | G06F 21/60  | 4251466 | H01H 3/26    |
| 4234639 | H01M 4/62    | 4242887 | G06F 21/62  | 4251466 | H01H 33/38   |
| 4234639 | C09C 1/56    | 4243524 | H04W 8/22   | 4253784 | F16D 65/84   |
| 4234639 | H01M 10/0525 | 4243524 | H04W 76/28  | 4253784 | F16D 65/78   |
| 4234639 | H01M 4/02    | 4243825 | A61K 9/20   | 4253784 | F16D 65/02   |
| 4234639 | C09D 17/00   | 4243825 | A61P 9/04   | 4253826 | F21Y 115/10  |

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|---------|--------------|---------|--------------|---------|--------------|
| 4253826 | F21Y 103/10  | 4260766 | C04B 111/80  | 4268431 | G06F 11/30   |
| 4253826 | B61D 23/00   | 4260766 | C04B 41/90   | 4268431 | H04L 41/0853 |
| 4253826 | F21W 111/027 | 4261320 | C22C 38/48   | 4268431 | G06F 11/07   |
| 4253826 | F21V 21/00   | 4261320 | C21D 8/00    | 4268431 | H04L 41/0631 |
| 4253826 | F21V 31/00   | 4261320 | C22C 38/44   | 4268431 | G06F 11/362  |
| 4254143 | G06F 3/0481  | 4261320 | C22C 38/42   | 4268431 | H04L 41/18   |
| 4254143 | G06F 3/0484  | 4261320 | C21D 8/06    | 4268431 | H04L 41/0213 |
| 4254143 | G06F 3/0482  | 4261320 | C22C 38/50   | 4268431 | H04W 24/04   |
| 4254458 | H01H 33/14   | 4261320 | C21D 1/02    | 4268431 | H04L 41/044  |
| 4254458 | H01H 33/666  | 4261320 | C22C 38/00   | 4268605 | A23B 11/10   |
| 4254792 | H03J 5/00    | 4261320 | C22C 38/04   | 4269746 | E21B 33/043  |
| 4254792 | H03J 5/24    | 4261320 | C22C 38/02   | 4270642 | H01Q 13/02   |
| 4254792 | H03L 7/08    | 4261320 | C22C 38/46   | 4270642 | H01Q 19/02   |
| 4254792 | H03J 7/02    | 4261320 | C21D 9/00    | 4270642 | H01Q 17/00   |
| 4254912 | H04W 36/00   | 4261638 | G05B 19/418  | 4270753 | H02M 3/07    |
| 4254912 | H04W 12/0431 | 4262342 | A01C 7/18    | 4270753 | H02M 1/00    |
| 4254912 | H04W 36/08   | 4262342 | A01C 7/10    | 4270753 | H02M 3/02    |
| 4254912 | H04W 84/12   | 4262342 | A01C 7/06    | 4270753 | H02M 3/158   |
| 4255711 | B29C 45/20   | 4262342 | A01C 7/04    | 4271726 | D01F 11/02   |
| 4255711 | B29C 45/03   | 4262824 | A61K 47/36   | 4271726 | C11D 3/00    |
| 4255711 | B29C 45/22   | 4262824 | A61K 31/695  | 4271726 | C11D 3/20    |
| 4255711 | B29C 45/00   | 4262824 | A61P 1/04    | 4271726 | D06M 13/228  |
| 4255711 | B29C 45/13   | 4262824 | A61K 31/715  | 4271726 | C08L 1/10    |
| 4256280 | G01F 15/14   | 4262824 | A61K 31/7004 | 4271726 | D06M 15/285  |
| 4256280 | G01F 15/18   | 4262824 | A61K 31/728  | 4271726 | D01F 11/00   |
| 4256700 | H03F 1/56    | 4262912 | A61M 1/16    | 4271726 | D06M 15/11   |
| 4256700 | H03F 3/45    | 4262912 | A61J 1/18    | 4271726 | D06M 15/356  |
| 4257039 | G01N 33/497  | 4262912 | A61J 1/14    | 4273034 | A63C 17/26   |
| 4257039 | A61B 5/00    | 4264648 | B23K 26/144  | 4273034 | B62K 21/10   |
| 4257039 | A61B 5/097   | 4264648 | H01F 41/02   | 4273034 | A63C 17/01   |
| 4257153 | A61P 35/00   | 4264648 | B23K 26/342  | 4273034 | A63C 17/00   |
| 4257153 | C07K 16/32   | 4265314 | B01D 29/92   | 4273398 | F04B 49/20   |
| 4257153 | C07K 16/28   | 4265314 | B01D 29/17   | 4273398 | F04B 49/08   |
| 4257361 | F28F 7/02    | 4265314 | B01D 29/88   | 4273398 | F04B 49/22   |
| 4257933 | G01F 1/84    | 4265314 | B01D 35/02   | 4273398 | F04B 1/324   |
| 4258908 | A24B 15/167  | 4266025 | G01N 33/44   | 4273398 | F04B 49/00   |
| 4259247 | A61M 15/06   | 4266025 | G01N 23/046  | 4273398 | F04B 51/00   |
| 4259249 | A61M 15/06   | 4266025 | G01N 9/00    | 4273648 | G05B 19/418  |
| 4259249 | A24F 42/60   | 4266025 | G01N 3/08    | 4273809 | G06T 15/50   |
| 4259249 | A24F 42/20   | 4266166 | H04L 67/303  | 4273832 | B60W 50/14   |
| 4259346 | B05C 11/10   | 4266216 | G06N 3/08    | 4273832 | G08G 1/16    |
| 4259926 | F03D 3/06    | 4266990 | A61B 1/00    | 4273978 | B01D 63/02   |
| 4259926 | F03D 9/25    | 4266990 | A61B 6/00    | 4273978 | H01M 8/10    |
| 4260079 | G01S 5/02    | 4266990 | A61B 10/00   | 4273978 | H01M 8/04    |
| 4260079 | G01S 1/04    | 4266990 | A61B 5/05    | 4273978 | H01M 8/0411  |
| 4260304 | G08B 29/04   | 4267858 | F04C 11/00   | 4273978 | H01M 8/0432  |
| 4260766 | C04B 41/52   | 4267858 | F04C 15/00   | 4275014 | B60W 30/095  |
| 4260766 | A47G 19/02   | 4267858 | F04C 2/10    | 4275014 | G06T 17/05   |

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|---------|-------------|---------|-------------|---------|--------------|
| 4275014 | B60W 60/00  | 4278955 | G01J 3/02   | 4284082 | H04W 76/27   |
| 4275014 | G01C 21/00  | 4278955 | A61B 5/16   | 4284082 | H04W 60/04   |
| 4275014 | G06V 20/50  | 4278955 | G01J 3/18   | 4285732 | A23L 33/105  |
| 4275730 | B01D 46/00  | 4278955 | A63F 13/24  | 4285732 | A23L 2/52    |
| 4275730 | A61M 16/00  | 4278955 | G01N 21/65  | 4285732 | A23L 2/62    |
| 4275730 | B01D 35/30  | 4278955 | A61B 5/1455 | 4285902 | A61K 31/445  |
| 4275730 | A61M 16/16  | 4278955 | A63F 13/245 | 4285902 | A61P 43/00   |
| 4275730 | B01D 29/01  | 4278955 | G06F 3/01   | 4285950 | A61M 25/00   |
| 4275730 | A62B 23/02  | 4278955 | A63F 13/212 | 4285950 | A61L 29/12   |
| 4275730 | A61M 16/04  | 4279156 | G10L 21/043 | 4285950 | A61L 29/14   |
| 4275730 | A61M 16/08  | 4279156 | A63F 13/814 | 4286259 | B62K 19/30   |
| 4275934 | B60J 7/19   | 4279156 | G11B 27/00  | 4286259 | B62K 3/04    |
| 4276230 | D04B 1/10   | 4280104 | G06K 19/07  | 4286939 | G03B 7/17    |
| 4276230 | D04B 1/24   | 4280104 | B42D 25/305 | 4286939 | G01N 21/84   |
| 4276230 | D04B 1/26   | 4280104 | G06K 19/077 | 4286939 | G03B 7/091   |
| 4276529 | G03B 15/05  | 4280562 | H04L 51/046 | 4287031 | G06F 12/0895 |
| 4276529 | G03B 11/04  | 4281229 | H01M 4/04   | 4287031 | G06F 12/0886 |
| 4276529 | G03B 15/14  | 4281329 | H01M 50/20  | 4288474 | C08G 18/32   |
| 4276529 | A61B 5/00   | 4281329 | B62J 43/00  | 4288474 | C08K 7/28    |
| 4276976 | H01M 10/42  | 4281636 | E04H 6/42   | 4288474 | C08G 18/38   |
| 4276976 | F16L 41/16  | 4281839 | B63B 35/00  | 4288474 | C08G 18/48   |
| 4276976 | F16L 29/00  | 4281839 | B63H 9/06   | 4288474 | C08G 18/66   |
| 4276976 | F16L 41/00  | 4281839 | B63G 8/00   | 4290013 | E01F 9/582   |
| 4277244 | H04N 23/55  | 4281839 | G05D 1/00   | 4290078 | F04C 18/344  |
| 4277244 | G03B 30/00  | 4282073 | H03K 17/12  | 4290078 | F04C 23/00   |
| 4277244 | H04N 23/00  | 4282073 | H03K 17/082 | 4290145 | F24F 13/20   |
| 4277244 | G02B 7/02   | 4282073 | G08B 3/10   | 4290145 | F24F 1/56    |
| 4277244 | G03B 17/12  | 4282490 | A61P 37/06  | 4290145 | F24H 4/02    |
| 4277410 | H04W 72/02  | 4282490 | A61P 29/00  | 4290145 | F24F 1/14    |
| 4277410 | H04W 92/18  | 4282490 | A61P 35/00  | 4291864 | A61M 5/168   |
| 4277410 | H04L 1/1822 | 4282490 | A61P 43/00  | 4291864 | A61M 1/36    |
| 4277410 | H04L 1/1867 | 4282490 | A61P 37/02  | 4291864 | G01L 9/00    |
| 4277410 | H04W 4/40   | 4282490 | C07K 14/78  | 4292475 | C08G 18/66   |
| 4277410 | H04L 1/1829 | 4282490 | A61P 11/00  | 4292475 | A47C 27/15   |
| 4277410 | H04L 5/00   | 4282490 | A61P 9/10   | 4292475 | C08G 18/20   |
| 4277410 | H04W 76/28  | 4282490 | A61P 3/10   | 4292475 | A47C 27/14   |
| 4277410 | H04W 72/12  | 4282490 | A61P 1/16   | 4292475 | B60N 2/70    |
| 4277410 | H04W 24/08  | 4282490 | A61P 35/02  | 4292475 | C08G 18/32   |
| 4278267 | G06F 13/38  | 4282490 | A61P 13/12  | 4292475 | C08G 18/76   |
| 4278290 | H04L 9/40   | 4282490 | A61P 19/02  | 4292475 | C08G 18/79   |
| 4278877 | A01D 34/66  | 4282988 | G06Q 10/063 | 4292475 | C08G 18/18   |
| 4278955 | A61B 5/145  | 4282988 | F27D 19/00  | 4292475 | C08G 18/00   |
| 4278955 | G01J 3/28   | 4282988 | G06Q 50/04  | 4292475 | C08G 18/48   |
| 4278955 | G06F 3/038  | 4282988 | C21B 7/24   | 4292475 | C08G 18/72   |
| 4278955 | G06F 3/033  | 4282988 | F27B 1/28   | 4292475 | C08G 101/00  |
| 4278955 | A63F 13/213 | 4282988 | F27D 21/00  | 4293278 | F21S 41/24   |
| 4278955 | G01J 3/44   | 4283106 | F02C 3/113  | 4293278 | F21S 41/20   |
| 4278955 | G06F 3/0338 | 4284082 | H04W 48/04  | 4293278 | F21S 41/29   |

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|---------|--------------|---------|--------------|---------|-------------|
| 4293278 | F21S 41/151  | 4298771 | H04L 41/0806 | 4308783 | E05F 11/00  |
| 4293278 | F21S 41/32   | 4298771 | H04L 41/40   | 4308783 | E05D 15/06  |
| 4293278 | F21S 41/255  | 4298771 | H04L 41/0895 | 4308929 | C12Q 1/04   |
| 4293278 | F21W 102/13  | 4298771 | H04L 41/0686 | 4308929 | C12Q 1/37   |
| 4293278 | F21S 41/663  | 4299147 | A63B 102/08  | 4308929 | G01N 33/569 |
| 4293306 | F28F 1/32    | 4300323 | H04L 9/00    | 4309161 | G06Q 10/08  |
| 4293306 | F28D 1/047   | 4300323 | G06F 21/64   | 4309161 | H04Q 9/00   |
| 4293306 | F28F 9/00    | 4300491 | G10L 21/028  | 4310310 | H02P 9/04   |
| 4293306 | F28F 19/04   | 4300491 | G10L 21/0208 | 4310310 | B60W 10/06  |
| 4293306 | F28F 21/08   | 4300934 | H04N 23/661  | 4310310 | B60W 30/20  |
| 4293306 | F28F 19/02   | 4301306 | A61F 13/62   | 4310310 | H02P 101/45 |
| 4293306 | F28D 1/04    | 4301306 | A61F 13/493  | 4310310 | B60W 10/08  |
| 4293354 | G01N 31/22   | 4302177 | G06F 1/3215  | 4310310 | B60W 20/15  |
| 4293354 | A62B 18/02   | 4302177 | G06F 1/3231  | 4311302 | H04W 84/12  |
| 4293354 | A62B 18/08   | 4302177 | G06F 1/16    | 4311302 | H04W 28/18  |
| 4293921 | H04B 1/00    | 4302177 | G06F 1/3206  | 4311302 | H04W 76/15  |
| 4293921 | H04B 1/04    | 4302177 | G06F 3/01    | 4311302 | H04W 76/11  |
| 4293921 | H04B 1/40    | 4303176 | B82Y 40/00   | 4311302 | H04W 72/04  |
| 4295128 | G01N 21/39   | 4303176 | C12N 15/88   | 4311302 | H04W 52/02  |
| 4295128 | G01B 9/02    | 4303176 | B01J 19/00   | 4311302 | H04W 76/30  |
| 4295128 | G01J 3/433   | 4303176 | B01F 33/30   | 4313265 | A61B 34/20  |
| 4295488 | H03K 17/14   | 4303176 | B82B 3/00    | 4313265 | G16H 50/20  |
| 4296497 | F02M 37/30   | 4303176 | B01F 23/41   | 4313265 | A61B 5/293  |
| 4296497 | F02M 65/00   | 4303359 | D21H 17/37   | 4313265 | G16H 20/40  |
| 4296497 | F02M 37/18   | 4303650 | G09F 19/12   | 4313265 | G16H 40/63  |
| 4296497 | B63H 21/38   | 4303772 | G06N 3/065   | 4313265 | G16H 50/70  |
| 4296497 | F02M 59/16   | 4303772 | G06N 3/045   | 4313265 | A61B 34/00  |
| 4296497 | F02M 31/02   | 4303772 | G11C 11/54   | 4313265 | A61B 34/10  |
| 4296497 | F02M 37/00   | 4303772 | G11C 16/04   | 4313265 | A61N 1/05   |
| 4296848 | G05B 19/042  | 4303772 | G11C 16/24   | 4313265 | A61B 5/37   |
| 4296848 | H04L 41/08   | 4303772 | G06F 17/16   | 4313684 | F21S 41/151 |
| 4296848 | G06F 8/34    | 4304421 | F24F 13/24   | 4313684 | F21S 41/143 |
| 4297184 | H01Q 9/42    | 4304485 | A61B 8/00    | 4313684 | F21W 103/20 |
| 4297686 | A61B 17/00   | 4304827 | F03D 1/06    | 4313684 | F21S 41/25  |
| 4297686 | A61B 90/00   | 4306156 | A61M 16/16   | 4313684 | F21W 103/60 |
| 4297996 | B60R 21/00   | 4306156 | A62B 18/02   | 4313684 | G09F 9/305  |
| 4297996 | B60R 21/01   | 4306373 | F16D 65/18   | 4313967 | C07D 403/04 |
| 4297996 | B62J 27/20   | 4306373 | F16D 55/226  | 4313967 | C07D 498/20 |
| 4297996 | A41D 13/018  | 4306373 | F16D 65/00   | 4313967 | C07D 491/20 |
| 4298331 | F01D 5/08    | 4306373 | F16D 66/02   | 4313967 | C07D 417/14 |
| 4298331 | F01D 25/12   | 4306373 | F16D 65/12   | 4313967 | C07D 403/14 |
| 4298362 | F16H 25/22   | 4306373 | F16D 65/38   | 4313967 | A61P 1/16   |
| 4298771 | H04L 43/06   | 4306616 | G02F 1/13    | 4313967 | A61P 3/00   |
| 4298771 | H04L 43/16   | 4306616 | C09B 1/58    | 4314989 | G06F 1/324  |
| 4298771 | H04L 43/028  | 4308001 | A61B 5/318   | 4314989 | G06F 1/3296 |
| 4298771 | H04L 41/082  | 4308001 | A61B 5/00    | 4315166 | G08G 1/0967 |
| 4298771 | H04L 41/147  | 4308783 | E05D 15/12   | 4315166 | G06N 3/084  |
| 4298771 | H04L 43/0852 | 4308783 | E05D 15/26   | 4315166 | G08G 1/01   |

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|---------|--------------|---------|--------------|---------|-------------|
| 4315166 | G06N 3/088   | 4326203 | D04H 1/732   | 4328876 | H04W 12/06  |
| 4315211 | G06Q 30/0601 | 4326203 | B32B 5/02    | 4328876 | B60R 25/20  |
| 4315587 | H02P 9/10    | 4326203 | B32B 5/26    | 4328876 | H04W 4/02   |
| 4316340 | A61B 1/015   | 4326203 | D04H 1/56    | 4328876 | H04W 4/40   |
| 4316340 | A61B 1/005   | 4326203 | A61L 15/58   | 4328876 | H04W 12/63  |
| 4316860 | B41J 11/00   | 4326280 | A61P 7/06    | 4328876 | H04W 4/80   |
| 4316860 | G06N 3/09    | 4326280 | A61K 36/48   | 4328876 | G06Q 20/32  |
| 4316981 | B64C 27/48   | 4326280 | A61K 9/20    | 4328876 | B60R 25/24  |
| 4316981 | B64C 27/02   | 4326280 | A61K 9/08    | 4330173 | B66B 17/12  |
| 4316981 | B29D 99/00   | 4326370 | A61M 5/20    | 4330603 | F28D 20/02  |
| 4319049 | H04W 12/122  | 4326477 | B23K 26/066  | 4330603 | F28D 20/00  |
| 4319538 | C23C 14/14   | 4326477 | B23K 26/53   | 4330603 | F24D 3/18   |
| 4319538 | H10K 71/40   | 4326477 | B23K 103/00  | 4330603 | F24D 17/02  |
| 4319538 | H10K 30/30   | 4326477 | B23K 26/06   | 4330660 | G01N 29/26  |
| 4319538 | H10K 30/84   | 4326477 | B23K 26/073  | 4330660 | G01S 7/52   |
| 4319538 | C23C 14/00   | 4326477 | B23K 26/0622 | 4330660 | G01S 15/89  |
| 4319538 | H10K 30/40   | 4326628 | B65D 27/06   | 4330660 | G01N 29/22  |
| 4319538 | H10K 85/30   | 4326628 | B65D 5/50    | 4330957 | G10L 21/06  |
| 4319538 | H10K 85/50   | 4326936 | D06F 39/10   | 4330957 | G10L 17/18  |
| 4319538 | C23C 14/58   | 4327030 | F24F 13/072  | 4330957 | G10L 15/00  |
| 4319538 | C23C 14/06   | 4327030 | F24F 3/056   | 4331709 | B63H 21/32  |
| 4320501 | G06F 3/0354  | 4327030 | F24F 5/00    | 4331709 | F02M 21/02  |
| 4320501 | H02J 50/90   | 4327030 | F24F 3/044   | 4331709 | B01D 53/94  |
| 4320501 | H02J 50/10   | 4327030 | F24F 13/14   | 4331709 | F01N 3/20   |
| 4320501 | H02J 50/00   | 4327030 | F24F 13/068  | 4331709 | B63H 21/38  |
| 4320844 | H04L 69/24   | 4327030 | F24F 11/74   | 4331709 | B01D 53/56  |
| 4320844 | H04W 4/02    | 4327030 | F24F 13/08   | 4331709 | F01N 3/24   |
| 4320844 | H04W 4/021   | 4327030 | F24F 13/06   | 4331709 | F01N 3/08   |
| 4320844 | H04W 76/10   | 4327373 | G11C 11/44   | 4331797 | B28B 17/00  |
| 4320844 | H04L 67/10   | 4327373 | H01L 23/49   | 4332889 | G06V 10/74  |
| 4320844 | H04W 88/02   | 4327373 | H10N 60/01   | 4332889 | G06V 10/25  |
| 4321835 | B21C 37/08   | 4327373 | H10N 69/00   | 4332934 | G08B 21/18  |
| 4321835 | B21C 51/00   | 4327704 | A47J 37/06   | 4333335 | H04W 84/12  |
| 4321848 | G01K 7/16    | 4327704 | A47J 27/09   | 4333335 | H04L 69/323 |
| 4321848 | G01K 1/20    | 4327704 | A47J 36/32   | 4333383 | H04L 9/40   |
| 4324102 | G01B 21/04   | 4327716 | A47L 15/00   | 4333593 | H10K 50/842 |
| 4324102 | G01B 5/008   | 4327963 | F28F 1/26    | 4333593 | H04M 1/02   |
| 4325591 | A61B 18/14   | 4327963 | B22D 27/04   | 4333593 | H04M 1/18   |
| 4325591 | H01M 4/02    | 4327963 | F28F 1/28    | 4333593 | H05K 5/06   |
| 4325591 | B23H 5/10    | 4327963 | F28F 3/04    | 4333593 | H10K 102/00 |
| 4325591 | A61B 10/00   | 4328211 | C04B 41/86   | 4333593 | H10K 77/10  |
| 4325591 | A42B 3/04    | 4328211 | C03C 8/00    | 4333593 | G06F 1/16   |
| 4325591 | A61B 5/291   | 4328340 | C22B 23/00   | 4333593 | G09F 9/30   |
| 4325591 | A42B 3/12    | 4328340 | H01M 10/54   | 4333611 | B01F 27/922 |
| 4326203 | D04H 1/4374  | 4328340 | C22B 7/00    | 4333747 | A61F 2/30   |
| 4326203 | A61F 13/537  | 4328340 | C22B 26/12   | 4333747 | A61F 2/44   |
| 4326203 | D04H 1/60    | 4328340 | C22B 23/02   | 4334082 | B26B 13/20  |
| 4326203 | D04H 1/425   | 4328876 | G06Q 20/40   | 4334082 | B24D 15/06  |

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| 4334234 | B66F 3/46    | 4338959 | B22F 10/31   | 4346771 | A61K 47/10   |
| 4334234 | B66F 9/06    | 4339054 | B61G 7/00    | 4346771 | A61K 47/24   |
| 4334409 | C10B 57/02   | 4339104 | B64D 27/24   | 4346771 | A61K 31/4745 |
| 4334409 | C10B 57/18   | 4340334 | H04L 69/22   | 4346771 | A61K 8/87    |
| 4334409 | C10G 1/10    | 4340334 | H04L 45/302  | 4346771 | A61K 31/555  |
| 4334409 | C10B 53/00   | 4341560 | F04B 53/12   | 4346771 | A61K 9/113   |
| 4335813 | B67D 1/08    | 4341560 | F04B 3/00    | 4346771 | A61K 38/12   |
| 4335813 | B67D 1/14    | 4341560 | F04B 15/08   | 4346771 | A61K 47/28   |
| 4335813 | F16K 35/10   | 4341560 | F04B 53/16   | 4347994 | C06B 25/00   |
| 4335813 | F16K 35/06   | 4341560 | F04B 53/14   | 4347994 | E21B 29/00   |
| 4336076 | F16K 3/02    | 4341744 | B60K 35/21   | 4347994 | C06B 45/00   |
| 4336076 | F16K 3/34    | 4341744 | G02F 1/1347  | 4347994 | F42D 1/04    |
| 4336076 | F23D 14/60   | 4341744 | B60K 35/10   | 4347994 | E21B 31/16   |
| 4336076 | F23N 1/02    | 4341744 | B60K 35/235  | 4349647 | B60N 2/70    |
| 4336076 | F23K 5/00    | 4341744 | B60K 35/22   | 4349647 | B60N 2/72    |
| 4336076 | H02P 8/00    | 4341744 | G02B 27/28   | 4349647 | B60N 2/66    |
| 4336076 | F16K 37/00   | 4342431 | A61F 2/38    | 4349670 | B60T 13/66   |
| 4336444 | G06T 7/136   | 4343324 | C02F 1/42    | 4349670 | B60W 30/18   |
| 4336444 | G06V 10/44   | 4343324 | B01J 41/00   | 4349775 | H01G 9/035   |
| 4336444 | G06T 7/00    | 4343324 | B01J 39/00   | 4349775 | H01M 10/0568 |
| 4336601 | H01M 10/42   | 4343324 | B01J 47/028  | 4349775 | H01G 11/62   |
| 4336601 | H01M 4/02    | 4344567 | A41D 13/08   | 4349775 | H01G 11/60   |
| 4336601 | H01M 4/133   | 4344567 | A41D 1/04    | 4350647 | G06V 40/16   |
| 4336601 | H01M 4/58    | 4344567 | G08B 6/00    | 4351340 | A01P 7/02    |
| 4336601 | H01M 4/139   | 4344887 | B05B 13/04   | 4351340 | A01N 25/14   |
| 4336601 | H01M 4/04    | 4344887 | B25J 5/02    | 4351670 | A61L 27/52   |
| 4336601 | H01M 10/0525 | 4344887 | B25J 11/00   | 4351670 | A61L 27/54   |
| 4336601 | H01M 4/136   | 4344887 | B05B 16/40   | 4351670 | A61L 24/00   |
| 4336601 | H01M 4/583   | 4344887 | B25J 9/00    | 4351827 | B23D 61/02   |
| 4337519 | B62M 11/18   | 4345350 | F16K 27/04   | 4351827 | B23D 61/04   |
| 4338181 | H01H 3/26    | 4345350 | F16K 3/02    | 4351827 | B23D 65/00   |
| 4338701 | A61C 3/00    | 4345350 | F16K 31/122  | 4351929 | B60R 11/00   |
| 4338701 | A61C 1/08    | 4345350 | E21B 34/02   | 4354297 | H04L 65/40   |
| 4338701 | A61C 5/42    | 4345453 | C07K 14/74   | 4354297 | G06F 16/215  |
| 4338959 | B22F 12/55   | 4345456 | G01N 33/68   | 4354431 | H04S 7/00    |
| 4338959 | B22F 12/60   | 4345623 | G06F 21/55   | 4354431 | G10L 19/16   |
| 4338959 | B22F 12/84   | 4345623 | G06F 21/79   | 4354431 | G10L 19/22   |
| 4338959 | B22F 10/28   | 4345904 | H10F 39/00   | 4355611 | B60L 3/00    |
| 4338959 | B22F 10/77   | 4346175 | H04L 27/26   | 4355611 | H01R 43/26   |
| 4338959 | B22F 12/50   | 4346221 | H04N 23/61   | 4355611 | H01R 13/44   |
| 4338959 | B33Y 10/00   | 4346221 | H04N 23/67   | 4355611 | B60L 3/04    |
| 4338959 | B22F 12/00   | 4346316 | H04W 74/0808 | 4355611 | H01R 13/15   |
| 4338959 | B33Y 30/00   | 4346355 | H10K 77/10   | 4355611 | B60L 53/10   |
| 4338959 | B22F 12/70   | 4346771 | C07K 16/30   | 4355611 | B60L 53/16   |
| 4338959 | B22F 12/57   | 4346771 | A61K 47/34   | 4355611 | H01R 13/631  |
| 4338959 | B22F 12/49   | 4346771 | A61K 8/06    | 4355611 | H01R 13/22   |
| 4338959 | B22F 12/90   | 4346771 | A61Q 19/00   | 4355611 | H01R 13/66   |
| 4338959 | B22F 12/13   | 4346771 | A61K 8/14    | 4355947 | D21C 7/08    |

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| 4356270 | G06F 21/84   | 4361735 | G03G 21/16   | 4370312 | B29C 65/56   |
| 4356270 | G06F 21/62   | 4361828 | G11C 16/26   | 4370312 | B29C 65/00   |
| 4356270 | G06N 20/10   | 4361828 | G11C 16/34   | 4370312 | B29C 65/64   |
| 4356270 | G06F 18/214  | 4361828 | G06F 13/16   | 4370312 | A61B 1/00    |
| 4356270 | G06F 16/245  | 4361828 | G11C 16/32   | 4370312 | A61M 25/01   |
| 4356270 | G06F 21/73   | 4361828 | G06F 3/06    | 4370877 | G01F 15/14   |
| 4356270 | H04W 12/02   | 4361828 | G11C 16/04   | 4370878 | G01F 15/14   |
| 4356270 | G06N 20/00   | 4361828 | G11C 16/10   | 4370879 | G01F 15/14   |
| 4356270 | G06F 18/2113 | 4363807 | G01F 25/10   | 4370946 | H04W 4/02    |
| 4356270 | H04W 4/02    | 4364063 | G06Q 10/0631 | 4371081 | G06Q 50/00   |
| 4356788 | A47C 7/46    | 4364063 | G06Q 30/06   | 4371081 | G06V 20/40   |
| 4356788 | A47C 7/40    | 4364063 | G06Q 30/0645 | 4371081 | G06V 10/82   |
| 4356848 | A61B 34/20   | 4364063 | G07C 9/00    | 4371081 | G06T 19/20   |
| 4356848 | A61B 17/072  | 4364063 | G06Q 10/06   | 4371081 | G06V 20/20   |
| 4356848 | A61B 34/00   | 4364063 | H04W 4/02    | 4371081 | G06F 3/01    |
| 4356848 | A61B 34/30   | 4364782 | A24B 15/24   | 4371081 | G06T 7/70    |
| 4356848 | A61B 90/00   | 4364782 | A24F 40/42   | 4372216 | F01N 9/00    |
| 4356848 | A61B 17/00   | 4364782 | A61K 31/465  | 4372216 | F01N 3/20    |
| 4357971 | B32B 27/34   | 4364782 | A24B 15/167  | 4373058 | G06F 16/38   |
| 4357971 | B32B 27/30   | 4364801 | A61K 45/06   | 4373058 | H04W 4/80    |
| 4357971 | B32B 27/36   | 4364801 | A61P 25/28   | 4373058 | H04W 4/70    |
| 4357971 | B32B 27/08   | 4364956 | B41J 3/46    | 4373058 | H04L 67/12   |
| 4357971 | B32B 27/32   | 4364956 | B41J 11/00   | 4373058 | H04L 67/303  |
| 4357971 | B32B 37/24   | 4365499 | F24F 1/54    | 4374466 | A61N 1/372   |
| 4357971 | B32B 3/26    | 4365499 | F24F 1/24    | 4374711 | A24D 3/02    |
| 4358726 | A23L 9/20    | 4365499 | F24F 1/46    | 4374711 | A24C 5/47    |
| 4358726 | A23C 13/12   | 4365499 | F24F 1/20    | 4374711 | A24C 5/32    |
| 4358726 | A23D 7/01    | 4365934 | H01L 21/67   | 4374715 | A24D 3/02    |
| 4358726 | A23P 30/40   | 4368057 | A43B 23/04   | 4375186 | B60T 17/22   |
| 4359286 | B62D 65/02   | 4368057 | A43B 3/24    | 4375186 | B60T 8/32    |
| 4359286 | B62D 25/20   | 4368057 | A43B 23/08   | 4375186 | B64C 25/42   |
| 4359884 | G06F 1/14    | 4368057 | A43B 11/02   | 4375186 | B60T 8/00    |
| 4359884 | G06F 1/324   | 4368847 | F16D 41/06   | 4376608 | B05B 7/24    |
| 4359884 | G06F 1/3234  | 4369167 | G06F 3/0481  | 4376608 | B05B 15/63   |
| 4359884 | G06F 11/34   | 4369167 | G06F 9/451   | 4376608 | B05B 7/00    |
| 4359884 | G06F 1/3237  | 4369167 | G06F 3/0484  | 4376666 | A45C 13/00   |
| 4360300 | H04L 1/22    | 4369167 | G06F 3/0484  | 4376666 | A62C 2/06    |
| 4360300 | H04N 1/32    | 4369938 | C02F 1/66    | 4376666 | B65D 81/00   |
| 4360300 | A61B 6/00    | 4369938 | A23L 33/16   | 4376666 | B65D 5/50    |
| 4360638 | A61P 7/02    | 4369938 | A23F 5/26    | 4376666 | A62C 3/16    |
| 4360638 | C08L 5/00    | 4369938 | C02F 1/68    | 4376666 | H04B 1/3888  |
| 4360638 | C08B 37/00   | 4370224 | B01D 3/42    | 4376666 | F16L 5/04    |
| 4360668 | B65B 7/28    | 4370224 | G01N 25/08   | 4377637 | G01D 5/353   |
| 4360668 | A61M 5/00    | 4370312 | A61M 25/00   | 4377637 | G01K 11/3206 |
| 4360668 | B65B 3/00    | 4370312 | B29C 65/08   | 4377637 | G01L 9/00    |
| 4360888 | B41J 2/16    | 4370312 | B29L 31/00   | 4378125 | H04W 40/02   |
| 4361570 | B64D 43/00   | 4370312 | B29C 65/18   | 4379273 | F24F 6/02    |
| 4361735 | G03G 15/08   | 4370312 | A61B 1/005   | 4379273 | F24F 11/00   |

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| 4379273 | F24F 13/08  | 4384315 | B01J 8/04    | 4394487 | G02B 5/00    |
| 4379273 | F24F 13/20  | 4384315 | C10G 65/04   | 4394764 | G10L 15/22   |
| 4379381 | G01N 33/577 | 4384315 | B01J 8/02    | 4394764 | G06F 16/338  |
| 4379381 | G01N 33/58  | 4384444 | B64D 27/34   | 4394764 | G10L 15/18   |
| 4379381 | G01N 33/68  | 4384444 | F03B 17/06   | 4394764 | G10L 17/22   |
| 4379381 | G01N 33/543 | 4384444 | B64C 37/00   | 4394764 | H04L 51/02   |
| 4379901 | H01M 10/48  | 4384444 | B64C 27/72   | 4394764 | G10L 15/183  |
| 4379901 | H02J 9/00   | 4384444 | F03D 3/06    | 4394764 | G06F 16/9032 |
| 4379901 | H01M 10/44  | 4384444 | B64C 27/32   | 4394764 | G10L 13/027  |
| 4379901 | H02J 7/00   | 4384444 | B64C 39/00   | 4394764 | G10L 25/54   |
| 4381208 | F16H 63/30  | 4385654 | B23Q 11/10   | 4394764 | G10L 15/26   |
| 4382139 | F21V 23/00  | 4385833 | B60R 21/237  | 4398531 | H04L 27/26   |
| 4382139 | A61L 2/10   | 4385833 | B60R 21/233  | 4398531 | H04W 84/12   |
| 4382139 | G02B 27/00  | 4385927 | D01H 17/00   | 4398531 | H04W 72/04   |
| 4382139 | B60Q 3/68   | 4385927 | B26B 27/00   | 4398531 | H04L 1/00    |
| 4382139 | F21V 5/00   | 4386750 | A61B 5/00    | 4399084 | B65B 3/02    |
| 4382139 | G02B 5/00   | 4386750 | G10L 25/30   | 4399084 | B29L 31/00   |
| 4382139 | B60R 13/02  | 4386750 | G10L 25/66   | 4399084 | B29C 51/00   |
| 4382149 | B65B 7/16   | 4386750 | A61B 5/16    | 4399249 | C09D 183/08  |
| 4382149 | B65B 31/04  | 4386832 | H01L 25/065  | 4400146 | A61M 16/20   |
| 4382149 | G09B 23/28  | 4387486 | A61M 35/00   | 4400146 | A61M 16/08   |
| 4382149 | A61M 5/31   | 4387486 | A45D 34/04   | 4400146 | A61M 16/10   |
| 4382149 | G09B 23/30  | 4387486 | A61M 11/00   | 4400146 | A61M 16/12   |
| 4382149 | B65B 3/00   | 4387867 | B60R 16/037  | 4400375 | B60W 30/18   |
| 4382149 | A61M 11/00  | 4388180 | F01D 5/20    | 4400375 | B60W 10/26   |
| 4382149 | A61M 5/315  | 4388278 | G06T 17/00   | 4400375 | B60W 10/08   |
| 4382149 | B65B 31/02  | 4388278 | G06V 10/764  | 4400375 | B60W 20/00   |
| 4382149 | A61M 15/00  | 4388278 | G06V 20/64   | 4400375 | B60W 50/08   |
| 4382149 | B65B 7/28   | 4388278 | G06T 17/05   | 4400375 | B60W 10/06   |
| 4382731 | F01N 3/10   | 4388278 | G06V 10/82   | 4400375 | B60W 20/10   |
| 4382731 | F01N 3/021  | 4388278 | G06V 20/17   | 4400375 | B60K 6/46    |
| 4382731 | F01N 11/00  | 4388945 | A47J 31/52   | 4400375 | B60W 20/14   |
| 4382731 | F01N 9/00   | 4388945 | A47J 31/44   | 4400752 | G01M 3/28    |
| 4382793 | F16L 21/06  | 4389200 | A61N 1/36    | 4400752 | F16K 37/00   |
| 4382793 | F16L 21/03  | 4389200 | A61N 1/372   | 4400855 | G01R 31/388  |
| 4382793 | F16L 21/02  | 4389538 | B60R 21/215  | 4400855 | E06B 9/24    |
| 4382879 | H01M 10/42  | 4389636 | B65D 23/10   | 4400855 | E06B 9/68    |
| 4382879 | H01M 10/48  | 4389636 | B65D 47/08   | 4400896 | G02B 27/01   |
| 4382888 | H01M 8/0408 | 4389636 | B65D 55/16   | 4401150 | H10F 10/14   |
| 4382888 | G01N 3/34   | 4390708 | G06F 12/0868 | 4401150 | H10F 77/30   |
| 4382888 | G01N 3/20   | 4392361 | F25J 3/04    | 4401150 | H10F 10/166  |
| 4384315 | C01B 3/38   | 4392361 | C01C 1/04    | 4401787 | A61K 47/64   |
| 4384315 | C10G 65/12  | 4393411 | A61B 8/08    | 4401787 | A61P 35/00   |
| 4384315 | B01J 35/00  | 4393784 | B60W 40/08   | 4402080 | B65G 13/071  |
| 4384315 | B01J 23/883 | 4394487 | G02B 3/00    | 4402080 | B65G 65/00   |
| 4384315 | C07C 7/163  | 4394487 | G01N 15/01   | 4402441 | G01D 5/353   |
| 4384315 | B01J 23/00  | 4394487 | G02B 27/54   | 4403222 | A61K 47/34   |
| 4384315 | C10G 65/10  | 4394487 | G01N 15/10   | 4403222 | A61K 31/765  |

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|---------|-------------|---------|--------------|---------|--------------|
| 4403222 | A61P 31/04  | 4408641 | B29C 64/343  | 4416885 | H04L 1/18    |
| 4403222 | A61K 31/77  | 4408641 | B29C 64/329  | 4416885 | H04L 1/00    |
| 4403222 | C08G 65/335 | 4408641 | B29C 64/209  | 4416885 | H04L 27/26   |
| 4403222 | A61K 47/10  | 4408641 | B33Y 50/02   | 4416885 | H04W 72/00   |
| 4403222 | A61K 31/80  | 4408641 | B29C 64/393  | 4417315 | B04B 13/00   |
| 4403222 | A61P 1/00   | 4408641 | B33Y 40/00   | 4418965 | A47J 31/42   |
| 4403222 | A61K 31/635 | 4408900 | C08F 6/22    | 4419874 | G01G 23/01   |
| 4404055 | G06F 9/38   | 4408900 | C08F 6/14    | 4420617 | A61B 17/064  |
| 4404055 | G06F 7/57   | 4409189 | F16L 55/32   | 4420617 | A61B 17/00   |
| 4404055 | G06N 3/063  | 4409269 | G01N 21/90   | 4421294 | F02C 9/00    |
| 4405146 | B02C 18/06  | 4410216 | A61B 5/026   | 4421294 | F02C 7/36    |
| 4405146 | B27G 13/04  | 4410216 | A61B 8/00    | 4421294 | F02C 6/00    |
| 4405146 | B27L 11/02  | 4410216 | A61B 5/1455  | 4421320 | B64D 41/00   |
| 4405146 | B27G 13/10  | 4410216 | A61B 5/00    | 4421320 | F16K 15/04   |
| 4406621 | A62C 37/50  | 4410216 | A61B 8/08    | 4421320 | F16K 11/10   |
| 4406647 | C07F 19/00  | 4410216 | A61H 31/00   | 4422394 | A01C 7/20    |
| 4406647 | C07C 1/207  | 4411107 | F01D 5/28    | 4423351 | E04F 13/14   |
| 4406647 | C07C 69/74  | 4411108 | F01D 5/14    | 4424373 | A61P 31/18   |
| 4406647 | C07B 61/00  | 4411108 | F01D 5/28    | 4424373 | A61K 31/683  |
| 4406647 | C07C 67/475 | 4411109 | F01D 9/02    | 4424373 | A61K 9/14    |
| 4406647 | C07F 15/00  | 4411109 | F01D 25/24   | 4424373 | A61K 9/16    |
| 4406647 | C07F 9/6506 | 4411545 | G06N 20/10   | 4424373 | A61K 31/513  |
| 4406647 | C07F 7/10   | 4411545 | G06F 11/07   | 4424373 | A61K 31/4412 |
| 4406647 | C07C 11/04  | 4411545 | G06F 11/00   | 4424549 | G06Q 50/06   |
| 4406732 | B29D 30/20  | 4411545 | G11C 11/54   | 4424549 | G06Q 10/06   |
| 4406732 | B29D 30/24  | 4411545 | G11C 29/16   | 4424549 | G06Q 50/40   |
| 4406979 | C08F 8/30   | 4411545 | G06F 11/34   | 4424549 | B60L 53/66   |
| 4407118 | E04F 13/14  | 4411545 | G11C 29/52   | 4424549 | B60L 53/60   |
| 4407140 | E21B 19/18  | 4411545 | G11C 29/04   | 4424549 | B60L 53/68   |
| 4407140 | E21D 9/00   | 4411545 | G06F 11/30   | 4424549 | B60L 53/67   |
| 4407140 | E21D 20/00  | 4411545 | G11C 29/10   | 4424549 | G06Q 50/10   |
| 4407140 | G01S 17/08  | 4411545 | G11C 7/10    | 4424549 | B60L 53/65   |
| 4407140 | G01S 17/06  | 4411545 | G06F 11/10   | 4424549 | G01R 31/392  |
| 4407140 | G01S 17/894 | 4411545 | G11C 29/02   | 4424549 | B60L 58/12   |
| 4407140 | G06T 7/70   | 4411545 | G11C 29/42   | 4424549 | G06Q 40/08   |
| 4407173 | F02D 35/02  | 4412886 | B62B 5/00    | 4424549 | B60L 53/62   |
| 4407173 | G05B 23/02  | 4413817 | H04W 74/0833 | 4424998 | H05K 7/20    |
| 4407173 | F02D 41/14  | 4413817 | H04W 52/02   | 4424998 | F04D 25/16   |
| 4407173 | F02D 41/22  | 4414631 | F28B 1/02    | 4424998 | G06F 1/20    |
| 4407409 | G06F 9/451  | 4414631 | F25B 43/02   | 4424998 | F04D 29/58   |
| 4407409 | G06F 21/31  | 4414781 | G03B 21/58   | 4425048 | F23D 14/64   |
| 4407516 | H04L 9/40   | 4415870 | C02F 1/32    | 4425048 | F23D 14/06   |
| 4407516 | G06F 21/56  | 4415870 | C02F 1/30    | 4425199 | G01R 31/396  |
| 4407516 | G06N 3/08   | 4415870 | B01J 19/24   | 4425199 | G01R 31/392  |
| 4408591 | B05B 11/02  | 4415870 | B01J 19/12   | 4425501 | G06F 30/27   |
| 4408591 | A61M 15/08  | 4415870 | C12M 1/00    | 4425501 | C08G 59/18   |
| 4408591 | A61M 11/00  | 4416676 | H04L 9/32    | 4425501 | G16C 20/70   |
| 4408591 | B05B 15/14  | 4416676 | G09C 1/00    | 4425501 | G16C 20/30   |

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|---------|-------------|---------|--------------|---------|--------------|
| 4426665 | C04B 35/52  | 4429242 | H04N 19/423  | 4439220 | G05D 1/698   |
| 4426665 | C04B 35/524 | 4429242 | H04N 19/186  | 4439220 | G05D 105/45  |
| 4426665 | B32B 18/00  | 4429242 | H04N 19/70   | 4439220 | G05D 109/10  |
| 4427297 | H01Q 1/28   | 4429242 | H04N 19/184  | 4439379 | G06K 13/08   |
| 4427297 | H01Q 21/24  | 4430661 | H01L 23/498  | 4439515 | G07C 9/00    |
| 4427297 | H01Q 9/16   | 4430661 | H05K 3/34    | 4439515 | G05D 1/221   |
| 4427297 | H01Q 1/44   | 4430661 | H01L 23/34   | 4439689 | H01M 4/139   |
| 4427297 | H01Q 3/26   | 4430661 | H05K 1/03    | 4440438 | A61B 6/04    |
| 4427880 | B25J 11/00  | 4431469 | C03B 9/00    | 4440438 | A61B 6/42    |
| 4427880 | B24B 19/26  | 4431469 | C03B 7/10    | 4440438 | A61B 6/12    |
| 4427880 | B25J 9/16   | 4431469 | C03B 7/00    | 4440438 | A61B 6/00    |
| 4427880 | B24B 27/00  | 4431469 | C03B 11/00   | 4440549 | A61K 47/44   |
| 4427880 | B24B 51/00  | 4432033 | F16F 15/00   | 4440549 | A61K 47/14   |
| 4427880 | B24B 21/16  | 4432991 | A61B 90/30   | 4440549 | A61K 47/26   |
| 4427880 | B25J 19/02  | 4433382 | B65D 85/804  | 4440549 | A61P 27/02   |
| 4427880 | B25J 15/00  | 4433433 | C03C 17/04   | 4440549 | A61K 31/506  |
| 4427880 | B24B 49/12  | 4433662 | E03D 11/11   | 4440680 | A61M 60/873  |
| 4427880 | B24B 49/10  | 4433662 | A47K 11/02   | 4440680 | A61M 60/216  |
| 4427974 | B60L 53/60  | 4433662 | E03D 5/014   | 4440883 | B33Y 80/00   |
| 4427974 | G06Q 50/40  | 4433714 | F15B 21/00   | 4440883 | B60R 11/04   |
| 4427974 | B60L 53/65  | 4433714 | F16J 15/56   | 4441020 | C07C 47/21   |
| 4427974 | G06Q 50/06  | 4433714 | F16J 15/3204 | 4441020 | C07C 33/025  |
| 4427974 | G06Q 50/10  | 4433714 | F16J 15/3208 | 4441020 | C07C 45/38   |
| 4427974 | G06Q 40/08  | 4436071 | H04B 17/318  | 4441052 | A61P 31/18   |
| 4427974 | G01R 31/392 | 4436071 | H04W 52/36   | 4441052 | A61P 29/00   |
| 4427974 | B60L 53/66  | 4436071 | H04L 5/00    | 4441052 | A61K 31/5383 |
| 4427974 | B60L 53/67  | 4436071 | H04W 84/12   | 4441052 | A61P 35/02   |
| 4427974 | G06Q 10/06  | 4436071 | H04L 27/26   | 4441052 | A61P 19/08   |
| 4427974 | B60L 53/62  | 4436907 | B66C 1/16    | 4441052 | A61P 17/06   |
| 4427974 | B60L 53/68  | 4437572 | H01G 11/62   | 4441052 | A61P 7/02    |
| 4427974 | B60L 58/12  | 4437572 | H01G 11/68   | 4441052 | A61P 25/00   |
| 4427975 | G06Q 50/06  | 4437572 | H01G 11/66   | 4441052 | A61P 9/00    |
| 4427975 | G06Q 40/08  | 4437572 | H01G 11/86   | 4441052 | A61P 25/28   |
| 4427975 | B60L 58/12  | 4437572 | H01G 11/64   | 4441052 | A61P 3/00    |
| 4427975 | B60L 53/60  | 4437572 | H01G 11/38   | 4441052 | A61P 35/00   |
| 4427975 | G06Q 50/40  | 4437572 | H01G 11/70   | 4441052 | A61P 31/12   |
| 4427975 | B60L 53/65  | 4438647 | C09J 151/08  | 4441052 | C07D 498/14  |
| 4427975 | B60L 53/62  | 4438647 | C08F 283/00  | 4441052 | A61P 37/00   |
| 4427975 | G01R 31/392 | 4438647 | C08G 18/76   | 4441052 | A61P 3/10    |
| 4427975 | G06Q 10/06  | 4438647 | C08F 290/06  | 4441052 | A61K 31/5025 |
| 4427975 | B60L 53/68  | 4438647 | C09J 175/04  | 4441287 | D21D 99/00   |
| 4427975 | B60L 53/67  | 4438647 | C08G 18/67   | 4441333 | E01C 23/088  |
| 4427975 | B60L 53/66  | 4438647 | C08G 18/48   | 4441476 | G01G 21/30   |
| 4427975 | G06Q 50/10  | 4439036 | G01M 15/14   | 4442160 | A47B 96/14   |
| 4428337 | F04C 2/10   | 4439036 | F01D 21/00   | 4442160 | F16B 12/36   |
| 4428337 | F04C 15/00  | 4439036 | F01D 21/04   | 4442160 | A47F 5/10    |
| 4428337 | F01C 21/10  | 4439036 | F01D 5/30    | 4443404 | G07F 11/24   |
| 4428337 | F04C 2/12   | 4439220 | G05D 107/70  | 4443404 | B26F 3/00    |

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|---------|-------------|---------|-------------|---------|-------------|
| 4443404 | G07F 17/32  | 4450739 | E06B 5/11   | 4455430 | A61B 90/70  |
| 4443404 | G07F 11/16  | 4453044 | C08F 8/12   | 4455430 | E05C 3/12   |
| 4443404 | G07F 11/68  | 4453044 | C08F 2/48   | 4455430 | A61L 2/26   |
| 4443404 | G07F 11/10  | 4453044 | C08F 16/14  | 4455430 | E05B 17/22  |
| 4443737 | G01R 19/00  | 4453044 | C08F 116/14 | 4455430 | E05B 47/00  |
| 4443737 | H02P 27/08  | 4453044 | C08L 71/02  | 4455434 | E05D 15/06  |
| 4443737 | H02P 21/22  | 4453280 | C25B 9/77   | 4456713 | C12R 1/01   |
| 4443737 | H02P 21/18  | 4453280 | C25B 9/73   | 4456713 | A01H 4/00   |
| 4443737 | H02P 21/13  | 4453280 | C25B 1/26   | 4456713 | C12N 1/20   |
| 4444114 | A24D 1/20   | 4453280 | C25B 9/19   | 4457076 | B29C 49/36  |
| 4444114 | A24B 15/12  | 4453435 | F16K 11/044 | 4457076 | B29C 49/48  |
| 4444114 | A24B 15/16  | 4453435 | F15B 20/00  | 4457076 | B29K 67/00  |
| 4444564 | B60K 25/00  | 4453480 | F24H 9/1818 | 4457076 | B29L 31/00  |
| 4444564 | B60K 17/02  | 4453480 | B60H 1/22   | 4457076 | B29C 49/06  |
| 4444595 | B61L 27/40  | 4453480 | H05B 3/42   | 4457310 | C10G 9/20   |
| 4444595 | B61L 27/70  | 4453480 | F24H 9/20   | 4457310 | C10G 9/36   |
| 4444595 | B61L 27/57  | 4453480 | F24H 1/12   | 4458540 | B28B 17/00  |
| 4444984 | F23Q 1/02   | 4453480 | F24H 9/00   | 4458540 | B33Y 50/02  |
| 4444984 | F23G 7/08   | 4454417 | H05B 47/25  | 4458540 | B33Y 40/10  |
| 4445160 | G01R 33/60  | 4454417 | H05B 47/24  | 4458540 | B28C 7/00   |
| 4445160 | G01R 33/32  | 4454540 | A61B 17/34  | 4458540 | B33Y 30/00  |
| 4445160 | G01N 24/00  | 4454540 | A61B 1/313  | 4458540 | B33Y 10/00  |
| 4445160 | G01N 24/10  | 4454540 | A61B 1/12   | 4458696 | B65B 19/22  |
| 4446600 | F16C 33/66  | 4454727 | A63G 7/00   | 4458696 | B65G 47/90  |
| 4446600 | F16C 35/063 | 4454854 | H01L 25/16  | 4458706 | C08L 67/04  |
| 4446600 | F16C 35/077 | 4454854 | B29L 31/34  | 4458706 | B65D 1/26   |
| 4446600 | F16C 25/08  | 4454854 | B29C 45/14  | 4458706 | B29K 511/00 |
| 4446600 | F16C 19/06  | 4454854 | H10H 20/01  | 4458706 | B29K 67/00  |
| 4446673 | F25B 40/00  | 4454854 | H10H 20/853 | 4458706 | B29L 31/00  |
| 4446673 | F25B 41/40  | 4454854 | H01L 25/075 | 4458706 | B29C 51/46  |
| 4446673 | F25B 9/00   | 4455016 | F01D 25/16  | 4458793 | C10B 53/07  |
| 4446673 | F25B 7/00   | 4455016 | F01D 25/28  | 4458793 | C10G 9/36   |
| 4446673 | F25B 41/30  | 4455016 | F02K 1/78   | 4458793 | C07C 4/22   |
| 4446673 | F25B 41/20  | 4455016 | F02C 7/20   | 4458793 | C10G 1/10   |
| 4446673 | F25B 49/02  | 4455051 | B65F 1/16   | 4458793 | C10G 11/18  |
| 4447936 | A61K 47/69  | 4455051 | B65F 1/06   | 4459044 | C09K 5/06   |
| 4447936 | A61K 47/22  | 4455430 | E05B 43/00  | 4459044 | E01C 13/00  |
| 4447936 | A61K 47/55  | 4455430 | E05B 63/06  | 4459242 | A47J 37/06  |
| 4447936 | C12N 15/88  | 4455430 | E05B 47/06  | 4459500 | G06K 13/14  |
| 4447936 | A61K 47/64  | 4455430 | E05B 47/02  | 4459500 | B65H 1/04   |
| 4447936 | A61K 47/34  | 4455430 | E05F 15/73  | 4459500 | B65H 31/02  |
| 4448428 | B65H 21/00  | 4455430 | E05B 41/00  | 4460611 | E06B 9/17   |
| 4448949 | F16N 39/00  | 4455430 | E05F 7/06   | 4460611 | E06B 1/32   |
| 4448949 | C02F 1/48   | 4455430 | E05B 9/02   | 4460611 | E06B 9/40   |
| 4448959 | F03D 80/00  | 4455430 | E05B 17/20  | 4460611 | E06B 1/34   |
| 4449836 | H10B 43/27  | 4455430 | E05B 17/00  | 4460664 | F24F 5/00   |
| 4450337 | B60R 13/02  | 4455430 | E05F 1/10   | 4460664 | F24F 12/00  |
| 4450739 | E05B 17/20  | 4455430 | E05B 63/00  | 4460665 | F24H 15/128 |

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|---------|-------------|---------|--------------|---------|--------------|
| 4460665 | F24H 15/174 | 4466167 | B60T 17/20   | 4471888 | H01M 4/62    |
| 4460665 | F24H 15/219 | 4466167 | B60T 13/68   | 4471888 | H01G 11/38   |
| 4460665 | F24H 9/20   | 4466218 | B66F 17/00   | 4471888 | H01M 4/583   |
| 4460665 | F24H 1/12   | 4466218 | B66F 9/075   | 4471888 | H01M 4/02    |
| 4460665 | F24H 15/215 | 4466619 | G06F 21/57   | 4472276 | H04W 40/02   |
| 4460665 | F24H 15/34  | 4466619 | H04L 9/40    | 4472276 | H04L 45/02   |
| 4460821 | G11C 16/04  | 4466619 | G06F 9/455   | 4472276 | H04W 40/12   |
| 4460821 | G11C 16/34  | 4466619 | G06F 21/53   | 4472276 | H04W 40/24   |
| 4460821 | G11C 16/10  | 4466836 | H04L 43/16   | 4472727 | A61N 1/40    |
| 4461468 | H01R 43/042 | 4466836 | H04W 24/04   | 4472727 | A61N 1/04    |
| 4461468 | B25B 27/14  | 4466836 | H04L 41/14   | 4472896 | F16M 11/04   |
| 4461559 | F16D 41/24  | 4466836 | H04L 41/5009 | 4472896 | F16M 11/20   |
| 4461559 | B60B 27/04  | 4466836 | H04L 41/147  | 4472896 | F16P 3/00    |
| 4461566 | B60C 11/03  | 4466978 | B30B 9/00    | 4472936 | C04B 103/00  |
| 4461566 | B60C 11/11  | 4468673 | H04L 69/14   | 4472936 | C04B 111/00  |
| 4461636 | B60R 13/02  | 4469406 | C02F 1/52    | 4472936 | C04B 28/06   |
| 4461636 | B33Y 80/00  | 4469406 | C02F 101/32  | 4472936 | C04B 111/60  |
| 4461636 | B64D 11/00  | 4469406 | C02F 101/20  | 4473925 | A61B 17/56   |
| 4461636 | B64D 11/04  | 4469744 | F28F 9/00    | 4473925 | A61B 17/80   |
| 4461878 | E02F 5/08   | 4469744 | F28D 21/00   | 4473925 | A61B 90/00   |
| 4461878 | E02F 5/10   | 4469772 | G01M 7/02    | 4473925 | A61B 34/10   |
| 4461878 | E02F 3/20   | 4469940 | G11C 11/00   | 4473925 | A61B 17/17   |
| 4461878 | E02F 3/47   | 4469940 | G11C 11/54   | 4475225 | H01M 4/62    |
| 4461878 | E02F 5/02   | 4469940 | G11C 11/56   | 4475225 | H01M 4/583   |
| 4461878 | E02F 3/24   | 4469940 | G06N 3/044   | 4475225 | H01M 4/02    |
| 4461878 | E02F 9/28   | 4469940 | G11C 16/26   | 4475225 | H01G 11/36   |
| 4461878 | E02F 5/12   | 4469940 | G06N 3/048   | 4475225 | H01M 10/0569 |
| 4462055 | F28D 7/00   | 4469940 | G11C 16/00   | 4475225 | H01G 11/50   |
| 4462055 | F28D 7/10   | 4469940 | G11C 27/00   | 4475225 | H01M 10/0568 |
| 4462129 | A61B 5/157  | 4469940 | G11C 16/04   | 4475225 | H01M 4/13    |
| 4462129 | B01L 3/00   | 4470685 | B09B 1/00    | 4475225 | H01M 4/58    |
| 4462129 | A61B 5/15   | 4470685 | G01N 1/24    | 4475225 | H01G 11/62   |
| 4462129 | A61B 10/00  | 4470685 | G01N 1/20    | 4475225 | H01M 10/0525 |
| 4462129 | G01N 35/10  | 4470823 | B60L 53/36   | 4475225 | H01G 11/24   |
| 4463046 | A47L 13/16  | 4470823 | B63J 3/04    | 4475225 | H01M 4/505   |
| 4463310 | B29C 70/24  | 4470823 | B60L 53/16   | 4475225 | H01G 11/38   |
| 4463310 | B64C 11/04  | 4471888 | H01G 11/06   | 4475225 | H01G 11/06   |
| 4463310 | B29C 70/54  | 4471888 | H01G 11/36   | 4475663 | C08F 210/16  |
| 4463310 | F01D 5/28   | 4471888 | H01M 10/0568 | 4475663 | C08F 4/659   |
| 4463310 | F01D 5/30   | 4471888 | H01G 11/24   | 4475663 | C08L 23/0807 |
| 4463786 | G06F 21/57  | 4471888 | H01M 4/131   | 4475663 | C08L 23/08   |
| 4464217 | A47L 9/20   | 4471888 | H01M 4/505   | 4475755 | A61B 5/00    |
| 4465330 | H01H 50/64  | 4471888 | H01M 4/36    | 4475755 | A63B 24/00   |
| 4465330 | H01H 51/22  | 4471888 | H01G 11/62   | 4476058 | B32B 27/36   |
| 4465891 | A61B 8/12   | 4471888 | H01G 11/50   | 4476058 | B32B 17/10   |
| 4465891 | A61B 8/00   | 4471888 | H01M 4/485   | 4476110 | B60W 50/00   |
| 4466167 | B60T 13/66  | 4471888 | H01M 10/0525 | 4476110 | B60W 30/14   |
| 4466167 | B60T 8/17   | 4471888 | H01M 4/587   | 4476123 | B60Q 3/51    |

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|---------|--------------|---------|-------------|---------|-------------|
| 4476123 | B62D 29/04   | 4488523 | F16D 3/30   | 4499945 | E04F 13/28  |
| 4476304 | C10J 3/20    | 4488523 | F16D 3/00   | 4499945 | E04F 13/073 |
| 4476304 | B01J 3/04    | 4488523 | F04C 15/00  | 4499945 | E04F 13/08  |
| 4476304 | C10B 49/16   | 4488532 | F16B 25/10  | 4500488 | G06V 40/10  |
| 4476304 | C10B 53/02   | 4490453 | F25B 49/02  | 4500579 | H01L 23/485 |
| 4476304 | C10J 3/84    | 4490453 | F25B 31/00  | 4501933 | C09K 11/06  |
| 4476304 | C10J 3/30    | 4490453 | H05K 7/00   | 4501933 | C07F 5/00   |
| 4476384 | B64B 1/44    | 4490453 | F25B 9/06   | 4503900 | H10K 50/11  |
| 4476384 | B64B 1/66    | 4490903 | H04W 8/06   | 4503900 | H10K 101/10 |
| 4476384 | B64U 10/30   | 4490903 | H04M 3/436  | 4503900 | H10K 101/40 |
| 4476384 | B64U 50/31   | 4490903 | H04L 9/40   | 4503900 | H10K 101/30 |
| 4476384 | C25B 1/55    | 4490995 | A01D 43/02  | 4506219 | B60W 30/20  |
| 4476384 | C25B 15/08   | 4491460 | B60R 1/076  | 4506219 | B60W 20/15  |
| 4476384 | B64C 37/02   | 4493199 | C07K 14/47  | 4506219 | B60W 50/00  |
| 4476429 | F01D 5/08    | 4493199 | B01D 15/16  | 4506219 | B60W 10/06  |
| 4476464 | F16D 1/12    | 4493199 | B01D 15/36  | 4506219 | B60K 6/46   |
| 4476464 | F16D 3/00    | 4493199 | B01D 15/38  | 4506219 | B60W 10/08  |
| 4476762 | H01L 23/373  | 4493856 | F22B 37/30  | 4506219 | B60K 6/26   |
| 4476762 | H01L 23/367  | 4493856 | F22B 37/40  | 4506628 | F24F 1/12   |
| 4477607 | B66B 1/34    | 4494438 | A01D 34/82  | 4506631 | F24F 5/00   |
| 4477942 | F21V 21/112  | 4494438 | A01D 34/68  | 4506631 | B01D 53/26  |
| 4478127 | G02B 7/00    | 4494438 | A01D 34/00  | 4506637 | F24H 15/104 |
| 4478127 | G03B 11/00   | 4495492 | F24F 11/36  | 4506637 | F24H 9/20   |
| 4478914 | A47C 19/12   | 4495492 | F24F 1/22   | 4506637 | F24H 15/281 |
| 4480679 | B29C 65/04   | 4495492 | F24F 1/46   | 4506637 | F24H 15/429 |
| 4480679 | B29C 65/10   | 4495661 | G02F 1/01   | 4506637 | F24H 15/375 |
| 4480679 | B29C 65/18   | 4495661 | G02B 27/01  | 4506637 | F24H 15/269 |
| 4480679 | B29C 65/14   | 4495661 | G02B 6/10   | 4506637 | F24H 15/443 |
| 4481530 | G05D 1/85    | 4495661 | G02B 27/14  | 4506637 | F24H 15/223 |
| 4482155 | H04N 19/98   | 4496913 | C10G 2/00   | 4506637 | F24H 15/31  |
| 4482155 | H05B 47/19   | 4496913 | C25B 15/08  | 4506637 | F24H 15/436 |
| 4482155 | H04N 19/70   | 4496913 | H01M 8/0411 | 4508298 | E21B 4/06   |
| 4482155 | H04N 19/85   | 4496913 | H01M 8/0401 | 4508298 | E21B 6/00   |
| 4482155 | H04N 5/202   | 4496913 | C25B 15/021 | 4508298 | E21B 4/10   |
| 4482155 | H04N 21/434  | 4496913 | H01M 8/0662 | 4508298 | E21B 10/61  |
| 4482155 | H04N 21/236  | 4496913 | H01M 8/0400 | 4508298 | E21B 49/08  |
| 4482155 | H04N 21/4402 | 4497648 | B61F 1/08   | 4508298 | E21B 10/36  |
| 4482225 | H04W 84/12   | 4497986 | B33Y 80/00  | 4508298 | E21B 4/16   |
| 4482225 | H04W 48/00   | 4497986 | F16L 37/084 | 4508298 | E21B 49/00  |
| 4482225 | H04W 40/00   | 4497986 | F16L 37/127 | 4508298 | E21B 10/38  |
| 4484240 | B60W 60/00   | 4498106 | A61B 6/03   | 4509206 | B01D 61/16  |
| 4484240 | B60W 30/12   | 4498106 | A61B 5/00   | 4509206 | B01D 61/22  |
| 4487080 | G05D 1/00    | 4498106 | A61B 6/04   | 4509206 | B01D 61/32  |
| 4487080 | G08G 1/123   | 4498106 | A61B 5/055  | 4509206 | A61M 1/34   |
| 4487080 | G08G 1/00    | 4499944 | F16B 2/10   | 4509206 | A23C 9/142  |
| 4487080 | G08G 1/0968  | 4499944 | E04F 10/00  | 4509206 | B01D 63/08  |
| 4487080 | G06Q 10/04   | 4499945 | E04F 13/26  | 4509375 | B60W 30/18  |
| 4487080 | G06Q 50/40   | 4499945 | E04F 13/24  | 4509375 | B60W 60/00  |

4513151 G01M 13/045  
 4513151 G01M 13/028  
 4515155 F24S 20/20  
 4515155 F24S 70/60  
 4517210 B29K 75/00  
 4517210 B29C 44/18  
 4517210 B29C 44/12  
 4517210 F24H 9/02  
 4519622 F27D 17/10  
 4519622 F27B 7/20  
 4519622 F27B 7/38  
 4519622 C04B 7/47  
 4519622 C04B 7/44  
 4519622 F27B 7/36  
 4519622 F27D 17/30  
 4523608 A61B 3/12  
 4523608 A61B 3/10  
 4525812 A61F 5/042  
 4526026 B01F 35/00  
 4526026 B01J 19/26  
 4527091 H04W 24/02  
 4528175 F24H 15/227  
 4528175 F24F 11/46  
 4528175 F28D 21/00  
 4528175 F24H 15/375  
 4528175 F24H 15/212  
 4528175 F24F 5/00  
 4528175 F24H 15/31  
 4528175 F24F 11/30  
 4528175 F24F 12/00  
 4528182 F25D 11/00  
 4529648 G06F 21/62  
 4529648 G06F 21/64  
 4530589 G01K 11/32  
 4530589 G01K 1/16  
 4530589 G01K 13/024  
 4530589 G01K 13/02  
 4532350 B65D 3/28  
 4536409 A47J 43/25  
 4538655 G01F 1/84  
 4538655 G01F 1/60  
 4538655 H02K 7/18  
 4538655 G01F 15/075  
 4538655 G01F 15/063  
 4538655 F03G 7/00  
 4538655 F03B 13/00  
 4540431 C22B 47/00  
 4540431 H01M 10/54

4540431 C22B 26/12  
 4540431 C22B 7/00  
 4540431 C22B 26/22  
 4540431 C22B 21/00  
 4545546 A01N 43/52  
 4545546 A01P 7/04  
 4547437 B23K 9/32  
 4549178 F16F 1/18  
 4549178 F16F 1/26  
 4549178 F16F 1/20  
 4549178 B60G 11/00  
 4550454 H01M 4/525  
 4550454 H01M 4/36  
 4550522 H01M 10/6556  
 4550522 H01M 10/625  
 4551962 G01S 7/499  
 4551962 G01S 17/95  
 4551962 G01S 17/50  
 4551962 G01S 7/487  
 4551962 G01S 7/4863  
 4552932 B60R 22/20  
 4552932 B60R 22/10  
 4554454 A61B 5/1455  
 4558593 C07D 317/70  
 4559570 B01F 35/92  
 4559570 B01L 7/02  
 4559570 B01F 31/23  
 4559570 B01F 35/90  
 4559570 G01N 35/00  
 4561011 H04W 40/22  
 4561011 H04W 48/18  
 4561011 H04W 28/086  
 4561011 H04W 28/08  
 4561011 H04W 28/082  
 4561445 B82Y 40/00  
 4561445 A61B 5/00  
 4561445 H01L 21/02  
 4562237 D04H 1/498  
 4562237 D04H 1/541  
 4562237 D04H 1/492  
 4562237 D04H 1/49  
 4562237 D04H 1/4266  
 4562237 D04H 1/732  
 4565851 G01G 21/28  
 4567223 E04G 7/22  
 4567223 E04G 7/30  
 4567223 E04G 7/34  
 4568495 A23L 33/185

4568495 A23G 9/34  
 4568495 A23G 9/42  
 4568495 A23G 9/38  
 4576682 H04L 12/40  
 4576682 H04L 12/413  
 4579658 G10L 25/18  
 4579658 G10L 21/0216  
 4579658 H04R 3/00  
 4580847 B28B 13/02  
 4580847 B29C 67/24  
 4608278 G16H 30/40  
 4608278 G06V 10/82  
 4608278 G06T 7/00  
 4608278 A61B 8/00  
 4608278 G06V 10/80  
 4608278 G16H 50/20  
 4608278 G16H 30/20

## Zu Abschnitt 5c)2:

In diesem Heft keine Veröffentlichung

## Zu Abschnitt 5c)3:

In diesem Heft keine Veröffentlichung

## Zu Abschnitt 5d:

| (97) EP-VN | (51) IPC-HKL |
|------------|--------------|
| 2558903    | G02B 27/58   |
| 2769710    | A61K 8/9789  |
| 2867256    | B01D 15/18   |
| 2916846    | A61K 31/57   |
| 2926967    | B29C 39/38   |
| 2931972    | D21H 23/56   |
| 3036373    | D21H 17/02   |
| 3047017    | C12N 5/00    |
| 3052074    | A61K 8/37    |
| 3085239    | A23B 11/60   |
| 3113692    | A61B 17/12   |
| 3154450    | A61F 2/06    |
| 3169776    | C12Q 1/6897  |
| 3192355    | A01G 23/083  |
| 3197264    | A01G 9/14    |
| 3212105    | A61B 34/00   |
| 3243105    | G02F 1/155   |
| 3244923    | A61K 39/39   |

|         |              |         |             |         |             |
|---------|--------------|---------|-------------|---------|-------------|
| 3265374 | B63B 1/10    | 3562519 | A61L 9/12   | 3727214 | A61F 2/966  |
| 3268295 | B65F 5/00    | 3562803 | A61K 31/121 | 3727217 | A61F 5/01   |
| 3285598 | B65D 81/34   | 3562813 | C07D 307/50 | 3728791 | E21B 44/00  |
| 3305303 | A61K 9/70    | 3566222 | G09B 9/052  | 3731155 | G06N 5/02   |
| 3316733 | A47B 88/00   | 3568903 | H02K 35/06  | 3731959 | B01J 19/00  |
| 3316734 | A47B 88/00   | 3573701 | A61N 1/36   | 3734645 | H01L 21/322 |
| 3329576 | H02J 9/06    | 3575514 | E04H 13/00  | 3736660 | G06F 1/16   |
| 3352681 | A61B 17/00   | 3581148 | A61C 13/00  | 3737494 | B01J 20/26  |
| 3359221 | A61C 8/00    | 3593207 | G02F 1/39   | 3743696 | G01G 19/52  |
| 3359864 | F16L 55/165  | 3595606 | A61G 10/00  | 3744088 | H04N 13/178 |
| 3372540 | B65G 47/51   | 3602916 | H04L 5/00   | 3744367 | A61M 5/158  |
| 3388573 | D06L 4/00    | 3608692 | G01S 19/21  | 3747036 | H01F 7/06   |
| 3396085 | E05B 19/00   | 3619827 | H04B 7/06   | 3747168 | H04L 47/10  |
| 3396644 | G08B 3/10    | 3622598 | H02G 1/00   | 3751648 | H01M 6/32   |
| 3405011 | H05K 1/03    | 3626761 | C08G 69/32  | 3754535 | G06V 20/54  |
| 3407749 | A43B 7/14    | 3629891 | A61B 5/00   | 3755277 | A61F 2/90   |
| 3413733 | A24F 40/51   | 3631123 | E04H 4/04   | 3756337 | G06F 1/16   |
| 3433283 | C08B 37/00   | 3634342 | A61F 13/00  | 3757035 | B65D 75/50  |
| 3433669 | G02C 13/00   | 3638346 | A61M 5/31   | 3759858 | H04L 5/00   |
| 3442324 | A01H 1/00    | 3643320 | A61K 38/39  | 3763859 | D01H 5/86   |
| 3444038 | B22D 11/22   | 3644299 | G08G 5/22   | 3764108 | G06Q 10/00  |
| 3445866 | C12P 21/00   | 3645382 | B63B 27/14  | 3765240 | B24B 49/00  |
| 3446530 | H04W 74/0816 | 3658179 | A61K 39/00  | 3767354 | G02B 6/44   |
| 3458404 | B66F 3/46    | 3659226 | H02G 3/14   | 3769840 | B01L 3/00   |
| 3463588 | A61K 8/97    | 3661342 | H05K 7/20   | 3772397 | B25J 11/00  |
| 3467590 | G03F 7/20    | 3664219 | H01Q 1/12   | 3774733 | C07D 213/70 |
| 3471657 | A61C 13/00   | 3665803 | H04L 1/00   | 3776431 | G06Q 30/00  |
| 3475479 | D21B 1/34    | 3670805 | E05F 15/619 | 3776921 | H04B 10/27  |
| 3477648 | G16B 20/00   | 3673564 | H02K 3/12   | 3777796 | A61F 13/02  |
| 3481239 | A24F 40/30   | 3678978 | B67B 3/02   | 3781102 | A61F 11/00  |
| 3484363 | A63B 23/18   | 3687418 | A61B 18/00  | 3781117 | A61K 8/06   |
| 3487791 | B65F 1/06    | 3687535 | C07D 471/16 | 3782073 | G06V 20/00  |
| 3488163 | F25D 21/14   | 3688898 | H04B 7/026  | 3787555 | A61F 2/08   |
| 3498679 | C03B 33/03   | 3691553 | A61B 17/70  | 3792956 | H01J 49/24  |
| 3500024 | H04W 72/04   | 3693326 | B66F 9/06   | 3793335 | H05H 1/34   |
| 3506297 | G16H 40/63   | 3694636 | B01F 23/50  | 3795085 | G06T 11/00  |
| 3518662 | A01K 1/00    | 3694748 | B60R 3/02   | 3795762 | E03D 13/00  |
| 3520728 | A61B 18/20   | 3696776 | G07C 9/00   | 3799647 | G06V 40/12  |
| 3523655 | G01N 33/558  | 3697262 | A47C 1/032  | 3800191 | C07H 21/04  |
| 3526820 | H01G 9/20    | 3699075 | B62M 6/45   | 3801270 | A61B 6/02   |
| 3535573 | G01N 29/04   | 3699622 | G01R 33/38  | 3804662 | A61F 2/32   |
| 3537043 | F23C 10/00   | 3703389 | H04R 19/00  | 3805270 | C07K 14/705 |
| 3544484 | A61B 3/036   | 3710858 | G01S 15/93  | 3810860 | E02F 3/36   |
| 3551461 | B41F 35/02   | 3710955 | G10H 1/00   | 3811338 | G06T 11/20  |
| 3557084 | F16B 2/18    | 3713232 | H04N 19/12  | 3813034 | G08G 1/096  |
| 3558219 | A61K 8/24    | 3715569 | E05F 3/20   | 3814202 | B62D 53/10  |
| 3558221 | A61K 8/24    | 3718935 | B65G 65/00  | 3818397 | G01T 1/208  |
| 3562373 | A47L 15/44   | 3721886 | A61K 33/00  | 3819427 | D21H 27/00  |

|         |              |         |              |         |             |
|---------|--------------|---------|--------------|---------|-------------|
| 3820636 | B22F 1/00    | 3895549 | A23L 27/60   | 3953503 | C25F 3/20   |
| 3822225 | B29C 33/52   | 3896317 | F16K 1/12    | 3954730 | B29C 67/20  |
| 3822853 | G06V 10/141  | 3896342 | F24C 14/00   | 3956970 | H02K 7/108  |
| 3823555 | A61F 2/14    | 3896453 | G16H 50/30   | 3957178 | A01N 65/36  |
| 3825618 | F24F 12/00   | 3898503 | B81C 1/00    | 3957940 | F28D 9/00   |
| 3827143 | E04C 2/32    | 3898752 | C08G 18/76   | 3959475 | F25J 3/02   |
| 3831089 | H04Q 9/04    | 3899238 | F02M 21/02   | 3960097 | A61B 17/12  |
| 3831107 | H04W 8/24    | 3900114 | H01R 4/2412  | 3961108 | F24C 15/20  |
| 3833870 | F04D 15/00   | 3903487 | H04N 19/12   | 3961183 | G01M 17/08  |
| 3836406 | H04B 1/3827  | 3905933 | A47J 43/07   | 3966006 | B26D 7/26   |
| 3836921 | A61K 31/4184 | 3907935 | H04L 12/46   | 3966439 | F01N 3/05   |
| 3839577 | G01T 1/24    | 3909733 | B27N 3/18    | 3966511 | F28D 1/04   |
| 3840681 | A61B 34/00   | 3910531 | G06V 20/52   | 3967820 | E04B 7/16   |
| 3842733 | G01B 7/00    | 3910912 | H04L 67/303  | 3969978 | G06V 10/762 |
| 3843116 | H01H 25/06   | 3911224 | A61B 5/00    | 3974555 | C22C 38/02  |
| 3843298 | H04H 60/37   | 3911656 | C07D 493/08  | 3977954 | A61B 18/14  |
| 3844102 | C01B 3/34    | 3912536 | A47J 43/044  | 3978716 | E06B 3/964  |
| 3845169 | A61B 17/32   | 3913123 | D04B 3/02    | 3980515 | C10L 5/44   |
| 3846075 | G06V 30/262  | 3917926 | C07D 471/04  | 3980728 | G01F 1/66   |
| 3849128 | H04L 5/00    | 3918885 | H05K 3/46    | 3981089 | H04B 10/116 |
| 3851847 | G01N 27/87   | 3921223 | B63B 35/00   | 3982078 | F41G 1/28   |
| 3853579 | G09B 23/30   | 3924081 | B01D 11/04   | 3984416 | A47G 21/00  |
| 3855767 | H04W 4/00    | 3927239 | G06T 11/00   | 3984716 | B29C 49/00  |
| 3862298 | B65G 17/24   | 3928109 | G01R 33/341  | 3986329 | A61F 2/04   |
| 3864593 | G06Q 10/06   | 3928427 | H02S 20/23   | 3986526 | A61M 37/00  |
| 3864872 | H04W 8/00    | 3928811 | A61M 5/142   | 3988853 | F24F 11/89  |
| 3866881 | A61M 5/14    | 3930059 | C22B 1/00    | 3992294 | C12N 15/61  |
| 3867404 | C12Q 1/6886  | 3930345 | H04R 27/00   | 3994597 | G06F 21/53  |
| 3867511 | F02D 41/00   | 3932253 | A46B 13/00   | 3995111 | A61F 2/44   |
| 3869144 | F41G 7/22    | 3934596 | A61F 9/00    | 3998738 | H04L 9/00   |
| 3870478 | B60Q 1/08    | 3934770 | A63B 67/14   | 3999306 | B29C 48/00  |
| 3871200 | G07C 9/23    | 3936196 | A62C 35/10   | 4000367 | A01D 34/00  |
| 3873366 | A61B 18/14   | 3936343 | B41J 2/045   | 4004674 | G06F 1/00   |
| 3874293 | G01S 5/12    | 3938325 | C03B 33/02   | 4004793 | G06F 30/00  |
| 3874558 | H01Q 1/27    | 3938848 | G05B 11/01   | 4006004 | C05F 5/00   |
| 3876792 | A47C 1/032   | 3939916 | B65G 57/18   | 4006353 | F04D 25/10  |
| 3877685 | F16L 15/08   | 3939940 | C02F 1/461   | 4006485 | G01B 11/25  |
| 3877695 | F21V 15/01   | 3940577 | G06F 30/12   | 4007644 | A62C 31/00  |
| 3877809 | G02F 2/02    | 3940720 | H01F 1/057   | 4008308 | A61K 9/06   |
| 3880299 | A61N 2/12    | 3941465 | A61K 31/4245 | 4008504 | B26D 7/01   |
| 3880318 | A63B 22/06   | 3941797 | B61L 25/02   | 4008541 | B29D 35/00  |
| 3880746 | H05K 1/02    | 3942297 | G01N 33/50   | 4010165 | B29C 48/02  |
| 3883349 | H05B 47/11   | 3946001 | A61B 3/113   | 4010537 | E03F 5/04   |
| 3884850 | A61B 5/00    | 3946081 | A61B 17/10   | 4010893 | G09B 23/28  |
| 3886758 | A61C 15/00   | 3947671 | C12N 15/10   | 4013291 | A61B 5/00   |
| 3889958 | G10L 21/0364 | 3948610 | G06F 21/57   | 4016456 | G06T 7/246  |
| 3891307 | C12Q 1/6883  | 3948829 | G09F 3/00    | 4016857 | H04L 12/12  |
| 3893975 | A61M 16/06   | 3949285 | H04L 12/40   | 4017393 | A61B 34/00  |

|         |             |         |              |         |             |
|---------|-------------|---------|--------------|---------|-------------|
| 4018962 | A61C 7/00   | 4072868 | B60B 7/16    | 4119124 | A61K 47/36  |
| 4019261 | B41J 3/407  | 4072942 | B64D 17/46   | 4120281 | G16H 20/00  |
| 4021186 | A01N 37/44  | 4073937 | H04B 1/00    | 4121428 | C07D 413/12 |
| 4021549 | A61M 25/00  | 4074650 | B81B 7/00    | 4121983 | G16H 50/20  |
| 4025175 | A61K 8/06   | 4076410 | A61K 31/135  | 4122030 | H01M 4/13   |
| 4025398 | B26D 3/00   | 4077797 | D02G 3/48    | 4122181 | H04L 67/025 |
| 4028224 | B26F 1/40   | 4077891 | F01L 7/02    | 4122238 | H04W 28/08  |
| 4028934 | G06K 7/00   | 4079876 | C21D 9/56    | 4123598 | G06V 10/26  |
| 4029036 | G21K 1/04   | 4080071 | F16B 39/12   | 4123795 | H01M 50/136 |
| 4029806 | B65D 81/38  | 4081173 | A61F 13/02   | 4124193 | H05K 7/20   |
| 4032037 | G06N 10/40  | 4081242 | A61K 38/25   | 4125622 | A61B 17/04  |
| 4032489 | A61B 17/22  | 4081293 | A61N 7/02    | 4125802 | A61K 31/502 |
| 4035227 | H01R 12/57  | 4082631 | A62C 31/22   | 4126145 | A61M 16/00  |
| 4036355 | E05B 3/00   | 4082867 | B61L 23/00   | 4126781 | C03C 25/00  |
| 4038760 | H04B 7/06   | 4084593 | H05K 5/02    | 4128148 | G06T 7/11   |
| 4039689 | C07F 9/12   | 4090419 | A61N 1/40    | 4128550 | H04B 3/54   |
| 4041674 | B67D 7/40   | 4090587 | B64D 47/08   | 4129731 | B60K 13/04  |
| 4041976 | E06B 9/06   | 4091150 | G08G 1/00    | 4130828 | G02B 6/44   |
| 4042081 | F25J 1/00   | 4091336 | H04R 1/24    | 4131996 | G10K 11/178 |
| 4045074 | A61K 38/17  | 4092323 | F23L 1/00    | 4131998 | H04R 1/28   |
| 4046446 | H04W 74/00  | 4093168 | H05K 7/20    | 4132430 | A61F 2/30   |
| 4047042 | C08K 3/22   | 4093355 | A61F 11/00   | 4133873 | H04W 74/00  |
| 4047782 | H02J 7/02   | 4093808 | C08G 79/04   | 4133942 | A22C 11/10  |
| 4047861 | H04L 9/08   | 4095330 | E03F 5/22    | 4134109 | A61L 31/14  |
| 4049161 | G06F 21/55  | 4095560 | G01S 17/08   | 4135575 | A61B 5/087  |
| 4051368 | A61M 39/20  | 4097045 | C01B 3/34    | 4135683 | A61K 31/22  |
| 4052480 | H04R 1/28   | 4098349 | B01D 53/86   | 4136390 | F24F 13/02  |
| 4054310 | A01D 34/416 | 4099891 | A61B 5/00    | 4136488 | G02B 6/38   |
| 4055614 | G16H 30/40  | 4100647 | F03D 17/00   | 4136913 | H04L 5/00   |
| 4055966 | H04W 72/566 | 4101041 | H02G 3/06    | 4137203 | A61N 5/06   |
| 4057779 | H05B 47/125 | 4101310 | A23K 20/174  | 4137276 | B25H 3/00   |
| 4058357 | B64D 13/02  | 4102607 | H01M 10/0587 | 4139545 | E05B 19/00  |
| 4058813 | G01N 37/00  | 4103575 | C07H 3/02    | 4139778 | G06F 3/041  |
| 4061004 | H04R 1/10   | 4104327 | H04L 1/00    | 4140065 | H04B 17/27  |
| 4061640 | B41F 19/00  | 4105022 | B32B 27/30   | 4140326 | A24D 1/20   |
| 4062655 | H04R 1/24   | 4106280 | H04L 12/46   | 4140592 | B05B 1/00   |
| 4064098 | G06F 21/64  | 4106699 | A61F 13/15   | 4141085 | C09J 201/06 |
| 4065071 | A61K 8/37   | 4107795 | H10N 60/01   | 4143136 | C01F 11/18  |
| 4065237 | A61Q 5/12   | 4108009 | H04W 52/14   | 4145124 | G01N 30/46  |
| 4065817 | F01B 1/08   | 4109011 | F25B 6/04    | 4145429 | G09F 9/302  |
| 4067559 | D06F 58/22  | 4109934 | H04W 4/06    | 4146541 | B64C 27/82  |
| 4068810 | H04W 4/02   | 4110961 | C21D 7/02    | 4147030 | G01N 21/21  |
| 4069249 | A61K 31/58  | 4112856 | E05C 3/04    | 4147952 | B62H 3/04   |
| 4070629 | H05K 7/20   | 4114250 | A61B 5/00    | 4148027 | C03C 27/06  |
| 4072520 | A61K 9/00   | 4114993 | C21D 1/19    | 4148764 | H01H 85/20  |
| 4072566 | A61K 33/42  | 4116499 | E02D 27/46   | 4149083 | H04L 49/00  |
| 4072635 | A61M 15/00  | 4117917 | B32B 37/22   | 4150031 | C10L 5/08   |
| 4072664 | A61N 1/40   | 4118565 | G06V 20/64   | 4151157 | A61B 8/12   |

|         |             |         |              |         |             |
|---------|-------------|---------|--------------|---------|-------------|
| 4152877 | H04W 74/00  | 4194324 | B62D 33/02   | 4251047 | A61B 5/15   |
| 4153395 | B29C 44/04  | 4196345 | B32B 5/02    | 4251774 | C21B 13/00  |
| 4153503 | B65D 71/54  | 4196691 | F16B 25/00   | 4253224 | B63H 21/17  |
| 4153597 | C07D 487/14 | 4197142 | H04L 1/1867  | 4253300 | E04G 11/28  |
| 4153923 | F25D 23/02  | 4197473 | A61B 18/14   | 4253798 | F16H 57/01  |
| 4157043 | A47G 19/22  | 4198822 | G06K 17/00   | 4254107 | G05B 19/418 |
| 4159228 | A61K 38/48  | 4200242 | B66B 9/08    | 4255915 | C11C 3/00   |
| 4161463 | A61B 17/132 | 4201306 | H04R 1/10    | 4256208 | F04F 1/00   |
| 4161792 | B60K 35/10  | 4201593 | B25B 5/06    | 4259189 | A61N 1/365  |
| 4162786 | A01D 34/30  | 4202204 | F03D 3/02    | 4262760 | A61K 9/20   |
| 4165131 | C08L 67/00  | 4202223 | F04D 7/04    | 4264832 | H03K 17/16  |
| 4166854 | F24D 3/18   | 4202379 | G01F 1/66    | 4266064 | G01R 22/06  |
| 4166933 | G01N 21/88  | 4202796 | G06N 10/40   | 4267431 | B60P 7/08   |
| 4168734 | G01B 11/06  | 4205673 | A61B 17/32   | 4269075 | B29C 65/02  |
| 4169542 | A61M 1/02   | 4205873 | B21C 47/22   | 4271958 | F41A 19/08  |
| 4170398 | G02B 6/38   | 4206088 | B65D 65/46   | 4272647 | A61B 5/00   |
| 4171396 | A61B 17/064 | 4207003 | G06N 5/022   | 4272751 | C07K 7/08   |
| 4171409 | A61B 17/70  | 4207064 | G06T 7/11    | 4272931 | B29C 64/129 |
| 4171435 | A61C 9/00   | 4207093 | G06V 10/40   | 4273015 | B61B 12/02  |
| 4171870 | B23Q 11/08  | 4208701 | G01L 3/24    | 4274515 | A61F 2/28   |
| 4172488 | F03B 13/00  | 4209450 | B81B 3/00    | 4275007 | F26B 3/06   |
| 4172586 | G01M 3/32   | 4210318 | H04N 5/222   | 4275515 | A23L 29/244 |
| 4173646 | A61L 24/04  | 4213059 | G06F 30/15   | 4276433 | G01K 13/02  |
| 4173930 | B62D 25/20  | 4213065 | G06K 7/10    | 4276553 | G05B 19/406 |
| 4174364 | F21S 4/26   | 4214100 | B60W 30/18   | 4278282 | G06F 21/34  |
| 4175519 | A47J 31/60  | 4215881 | G01F 11/02   | 4278863 | H05B 45/50  |
| 4175681 | A61L 9/03   | 4216867 | A61B 90/20   | 4279326 | B60L 53/16  |
| 4178474 | A61B 17/70  | 4217700 | G01L 27/00   | 4279786 | F16L 23/06  |
| 4179145 | E01B 9/60   | 4218853 | A61M 5/00    | 4281778 | G01N 33/574 |
| 4179706 | G06F 9/455  | 4219938 | F03D 80/50   | 4283200 | F24C 15/16  |
| 4180717 | F23J 13/04  | 4220891 | H02J 7/02    | 4285190 | G05B 19/042 |
| 4181729 | A45B 9/02   | 4221220 | H04N 19/186  | 4285789 | A47C 27/08  |
| 4182187 | B60R 1/06   | 4223932 | E01C 19/00   | 4287185 | G11C 5/02   |
| 4183334 | A61B 5/08   | 4223947 | E03F 9/00    | 4288645 | F01M 11/00  |
| 4183674 | B63H 21/17  | 4226071 | F16L 55/28   | 4290042 | E06B 9/46   |
| 4183721 | B65G 11/08  | 4228234 | H04M 1/7245  | 4290487 | G07C 5/08   |
| 4184878 | H04L 27/26  | 4228863 | B25F 5/00    | 4291014 | A01G 18/40  |
| 4186195 | H04L 5/00   | 4228962 | B63H 25/42   | 4291779 | F03G 7/06   |
| 4187193 | F41J 9/10   | 4232685 | E21B 19/16   | 4293192 | E21B 7/02   |
| 4188049 | H05K 13/06  | 4234517 | C04B 37/02   | 4296947 | G06T 7/73   |
| 4188845 | B65G 15/18  | 4236104 | H04B 7/08    | 4298167 | C09D 5/16   |
| 4189299 | F24F 7/08   | 4237242 | B32B 5/12    | 4298351 | F16B 37/04  |
| 4189721 | H01J 37/285 | 4237709 | F16J 15/3216 | 4299545 | C04B 20/02  |
| 4189775 | G05D 1/00   | 4238414 | A01K 91/10   | 4299821 | D06F 58/20  |
| 4192306 | A45F 3/16   | 4239483 | G06F 11/20   | 4303194 | C02F 9/20   |
| 4193511 | H04L 1/08   | 4245279 | A61G 7/015   | 4303212 | C07D 213/82 |
| 4193904 | A61B 1/00   | 4245728 | C02F 3/00    | 4304162 | H04N 1/60   |
| 4193967 | A61F 2/44   | 4248025 | E03C 1/04    | 4304397 | A24F 40/05  |

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|---------|-------------|---------|-------------|---------|--------------|
| 4304447 | A61B 3/028  | 4341554 | F03D 13/10  | 4387949 | C07C 51/38   |
| 4304532 | A61F 2/44   | 4342439 | A61G 5/04   | 4389163 | A61L 31/04   |
| 4304694 | A61M 25/02  | 4343108 | E21B 7/02   | 4389661 | B65G 67/04   |
| 4304953 | B65D 88/40  | 4344055 | H02S 20/32  | 4390030 | E05F 1/10    |
| 4305136 | C11D 1/66   | 4345346 | F16K 11/074 | 4390411 | G01R 31/08   |
| 4305355 | F24F 1/0007 | 4346724 | A61F 13/42  | 4392374 | C01B 33/24   |
| 4305616 | G10L 15/28  | 4348327 | G02B 19/00  | 4395719 | A61F 5/453   |
| 4305880 | H04W 36/36  | 4348618 | G08B 19/00  | 4396718 | G06F 21/62   |
| 4305945 | A01D 34/00  | 4352332 | E06B 1/60   | 4397413 | B03C 1/02    |
| 4306454 | B65G 17/08  | 4353498 | B60C 19/00  | 4398576 | H04N 19/96   |
| 4306840 | F16N 25/02  | 4353545 | B60R 21/207 | 4398723 | A01M 7/00    |
| 4307018 | G01V 8/20   | 4354046 | F25B 1/10   | 4403125 | A61N 5/10    |
| 4307296 | G10L 25/84  | 4355099 | A22C 21/00  | 4403834 | F24C 15/32   |
| 4308875 | F41A 11/02  | 4355141 | A24F 23/00  | 4404063 | G06F 11/10   |
| 4309311 | H04L 67/51  | 4355617 | B60P 7/13   | 4404070 | G06F 13/10   |
| 4310234 | D03D 47/38  | 4355661 | B65D 5/44   | 4405557 | E06C 1/22    |
| 4310350 | F16C 17/02  | 4357064 | B23K 26/16  | 4405574 | F01N 3/20    |
| 4311533 | A61M 1/38   | 4358979 | A61K 35/19  | 4406356 | H04W 84/12   |
| 4312320 | H01R 13/62  | 4359294 | B62M 6/55   | 4407293 | G01N 3/42    |
| 4313386 | B01F 23/232 | 4360416 | A01B 59/00  | 4409103 | E06B 9/40    |
| 4315571 | H02K 7/02   | 4360770 | B21B 37/16  | 4409151 | F16C 41/02   |
| 4316664 | B02C 18/14  | 4360899 | B42D 25/23  | 4409182 | F16L 21/03   |
| 4317121 | C05C 1/00   | 4365023 | F15B 20/00  | 4409363 | G02F 1/35    |
| 4317538 | C25F 5/00   | 4366842 | A63B 21/005 | 4409708 | G01R 31/52   |
| 4319274 | H04W 28/02  | 4366975 | B60L 53/16  | 4412823 | B29D 30/06   |
| 4321019 | A01K 39/012 | 4368343 | B24D 7/06   | 4412913 | B65D 5/42    |
| 4321838 | G01B 11/30  | 4370279 | B23Q 1/76   | 4413222 | E04H 12/22   |
| 4322301 | H01M 50/30  | 4370840 | F24H 1/43   | 4413358 | G01N 23/2251 |
| 4323142 | B23K 26/03  | 4371869 | B63H 21/17  | 4413388 | G01R 31/62   |
| 4323661 | F16C 29/02  | 4371955 | C03C 13/06  | 4416019 | B60S 1/56    |
| 4323664 | F16C 33/08  | 4373624 | B21B 31/10  | 4416416 | F16K 11/16   |
| 4324619 | B29C 45/76  | 4374301 | G06Q 10/02  | 4417725 | C22C 19/05   |
| 4324682 | B60L 7/22   | 4374305 | G06Q 10/06  | 4417884 | F24F 1/32    |
| 4326155 | A61B 6/00   | 4375451 | E04F 21/00  | 4418371 | H01M 4/86    |
| 4326162 | A61B 10/00  | 4375555 | F16L 47/02  | 4419206 | A61P 33/06   |
| 4329603 | G01R 33/28  | 4376303 | G01L 27/00  | 4419760 | E04D 3/30    |
| 4331469 | A61B 3/103  | 4377094 | B41F 33/00  | 4419834 | F21S 41/20   |
| 4331962 | B62J 1/08   | 4379492 | G05D 7/01   | 4422742 | A61N 1/04    |
| 4332949 | G09F 9/33   | 4379760 | G01R 15/00  | 4423155 | C08F 290/06  |
| 4334240 | B68B 1/04   | 4380572 | A61K 31/506 | 4424144 | A01F 15/08   |
| 4335102 | H04L 67/14  | 4380595 | A61K 39/395 | 4424199 | A43C 11/16   |
| 4338081 | G06F 21/57  | 4380769 | B28B 1/00   | 4424272 | A61C 9/00    |
| 4338791 | A61N 1/36   | 4380893 | C01B 3/38   | 4425845 | H04L 12/28   |
| 4339498 | F16L 55/18  | 4380968 | A61K 39/395 | 4426169 | A47K 1/08    |
| 4339501 | F17C 1/00   | 4381109 | C21B 13/00  | 4426770 | C08G 63/183  |
| 4340628 | A23G 3/00   | 4381739 | H04N 19/597 | 4427861 | B21D 5/00    |
| 4340754 | A61B 17/32  | 4382876 | G01L 9/00   | 4429866 | B29C 45/60   |
| 4341074 | B29C 65/74  | 4385399 | A61B 8/08   | 4430237 | D05B 19/02   |

|         |             |            |              |         |             |
|---------|-------------|------------|--------------|---------|-------------|
| 4430267 | E21B 29/02  | 4496786    | C07C 309/15  | 1476375 | B65F 1/00   |
| 4430653 | H01L 21/02  | 4501455    | B01L 3/00    | 2268334 | A61M 1/00   |
| 4431867 | G01B 11/06  | 4504629    | B65G 54/02   | 2748523 | F21V 5/00   |
| 4433243 | B23D 47/04  | 4505155    | G01L 9/00    | 2993496 | G02B 5/02   |
| 4433294 | B29D 30/48  | 4507194    | H02S 40/44   | 3058590 | H01L 23/495 |
| 4434868 | B62M 3/04   | 4511178    | B05C 5/02    | 3067049 | A61K 9/19   |
| 4437188 | E02F 9/08   | 4511564    | F01D 11/00   | 3076222 | G02B 27/01  |
| 4439552 | G10L 19/008 | 4514496    | B01D 24/04   | 3092867 | H04W 92/00  |
| 4440914 | B62K 3/00   | 4519612    | F24D 17/00   | 3137016 | A61F 2/04   |
| 4442335 | A63C 9/08   | 4520232    | A47K 11/02   | 3149358 | F16H 7/06   |
| 4442904 | E01B 27/17  | 4520233    | A47K 11/02   | 3158219 | F16F 13/26  |
| 4444651 | B66F 9/24   | 4522894    | F16K 1/46    | 3159833 | G06K 19/077 |
| 4444766 | C08F 8/30   | 4528729    | G10L 21/038  | 3165228 | A61K 8/9789 |
| 4446255 | B65G 1/137  | 4531774    | A61F 9/00    | 3166052 | G06Q 10/00  |
| 4446265 | B65G 59/08  | 4543781    | B65D 77/04   | 3190149 | C08J 9/00   |
| 4448377 | B63B 35/04  | 4548887    | A61F 13/42   | 3212685 | C08G 8/04   |
| 4449074 | G01G 19/58  | 4551316    | B01D 53/62   | 3217319 | G06K 9/00   |
| 4451842 | A01G 2/38   | 4552794    | B24B 13/00   | 3236774 | A23L 2/56   |
| 4452579 | B26B 19/38  | 4553032    | B66D 3/26    | 3237392 | C07D 307/12 |
| 4452672 | B60C 23/00  | 4564215    | G06F 21/64   | 3238015 | G06F 3/01   |
| 4454741 | B01F 23/50  | 4565949    | G06F 8/41    | 3244450 | H10F 39/00  |
| 4455059 | B65G 15/14  | 4567717    | G06T 5/73    | 3271471 | D01F 6/68   |
| 4456011 | G06V 10/25  | 4567718    | G06T 5/73    | 3287914 | G06F 19/00  |
| 4456769 | A47J 31/46  | 4570987    | D21F 5/02    | 3289963 | A61B 1/24   |
| 4457545 | G01T 1/36   | 4572721    | A61F 13/15   | 3323084 | G06V 40/20  |
| 4460205 | A45C 3/02   | 4590889    | D04H 3/007   | 3328895 | C07K 16/28  |
| 4460418 | B29C 45/26  | 4595232    | H03M 13/11   | 3332947 | B29C 67/00  |
| 4460605 | E04F 13/08  | 4611637    | A61B 6/03    | 3333765 | G06V 10/20  |
| 4461857 | D03D 49/20  |            |              | 3335925 | B60L 11/18  |
| 4462029 | F24C 15/02  |            |              | 3343601 | H01L 23/00  |
| 4463026 | A41B 11/00  |            |              | 3353126 | C04B 24/16  |
| 4469618 | C23C 16/30  | (97) EP-VN | (51) IPC-HKL | 3365118 | B09B 3/00   |
| 4469642 | E04B 9/12   |            |              | 3365277 | C01B 25/28  |
| 4470719 | B24B 31/02  | 1391496    | C10G 2/00    | 3366756 | C11D 3/386  |
| 4473048 | C08K 3/04   | 1402214    | F22B 37/10   | 3372676 | C12N 5/10   |
| 4476399 | E01C 11/14  | 1414363    | A61C 1/00    | 3374718 | F28D 15/00  |
| 4477434 | B60H 1/00   | 1414619    | B24D 7/02    | 3376745 | H04M 3/38   |
| 4480850 | B65D 85/18  | 1418835    | A61B 1/00    | 3386568 | A61M 5/30   |
| 4481768 | G21K 1/00   | 1423868    | H01L 21/302  | 3388759 | F25B 30/06  |
| 4485800 | H03K 3/84   | 1432458    | A61L 15/46   | 3420621 | H02H 9/00   |
| 4486983 | F01N 3/08   | 1434788    | C07K 1/00    | 3423517 | C08J 5/18   |
| 4489375 | H04L 67/12  | 1435173    | H04N 7/16    | 3424306 | A01G 33/00  |
| 4489590 | A23N 15/10  | 1438444    | C23C 16/26   | 3424423 | A61B 5/145  |
| 4491001 | A01C 21/00  | 1439876    | A61M 11/04   | 3425768 | H02J 13/00  |
| 4491279 | B02C 18/14  | 1459319    | G11B 27/32   | 3434770 | C12N 15/113 |
| 4493772 | E04B 5/12   | 1469991    | B32B 5/18    | 3437326 | H04N 21/454 |
| 4493893 | G01F 1/002  | 1470570    | H01L 21/00   | 3450517 | C09D 191/00 |
| 4495489 | F24D 3/08   | 1472811    | H04J 3/00    | 3453765 | C12P 5/02   |

### Zu Abschnitt 5h:

|         |              |         |             |         |              |
|---------|--------------|---------|-------------|---------|--------------|
| 3461290 | G06K 9/00    | 3611127 | B67D 1/00   | 3702955 | G06K 7/00    |
| 3464875 | F02N 11/04   | 3613299 | A24D 3/04   | 3705843 | G01B 11/26   |
| 3465629 | G06T 17/20   | 3613359 | A61B 17/072 | 3711305 | H04N 21/431  |
| 3468638 | A61M 1/16    | 3615572 | C07K 16/28  | 3713746 | C09J 5/06    |
| 3469999 | A61B 17/32   | 3616205 | G16B 40/20  | 3716460 | H02M 3/335   |
| 3481543 | B01J 4/00    | 3619374 | E04F 13/077 | 3716859 | A61B 8/04    |
| 3486653 | G01N 33/50   | 3622520 | G16B 20/20  | 3717119 | B01J 31/18   |
| 3490485 | A61B 34/30   | 3622521 | G16B 20/20  | 3718106 | G10L 15/20   |
| 3490611 | A61K 47/54   | 3637604 | H02M 1/12   | 3719702 | G06K 9/62    |
| 3495972 | A61F 2/50    | 3639364 | H02S 20/10  | 3720497 | A61K 47/02   |
| 3496528 | A01H 1/04    | 3639627 | H05B 45/37  | 3720498 | A61K 47/02   |
| 3508118 | A61B 5/05    | 3643925 | F04D 29/42  | 3721413 | G06T 9/00    |
| 3515361 | A61F 2/04    | 3644784 | A45D 27/22  | 3723902 | B01J 23/02   |
| 3520035 | G06N 3/04    | 3645494 | C07C 51/09  | 3723941 | B25F 5/02    |
| 3527622 | C08L 67/02   | 3648564 | A01B 69/04  | 3727331 | A61K 9/00    |
| 3530276 | A61K 35/28   | 3649679 | H10K 85/10  | 3728115 | C01B 32/176  |
| 3531161 | G01S 5/02    | 3650683 | F02N 11/08  | 3729095 | G01N 33/573  |
| 3532370 | B63B 79/10   | 3651587 | A23J 3/04   | 3731635 | A01N 25/28   |
| 3547697 | H04N 21/44   | 3659345 | H04N 21/466 | 3731658 | A23L 33/12   |
| 3548987 | G06F 3/01    | 3660168 | C12Q 1/686  | 3732267 | C09K 8/584   |
| 3550100 | E05D 13/00   | 3662250 | G01N 3/08   | 3732292 | C12N 15/70   |
| 3551193 | A61K 31/7105 | 3663679 | F25B 39/02  | 3732795 | H04B 7/04    |
| 3553269 | E06B 9/11    | 3665581 | G06F 12/14  | 3733810 | C09K 8/512   |
| 3555328 | C22C 1/10    | 3665616 | G06K 9/00   | 3734186 | F25B 1/10    |
| 3558350 | A61K 39/012  | 3666238 | A61F 13/00  | 3742119 | G01C 21/26   |
| 3558460 | A61Q 1/04    | 3671156 | G01L 1/22   | 3742836 | H04L 5/00    |
| 3558461 | A61Q 1/06    | 3671427 | G06F 3/12   | 3743078 | A61K 31/702  |
| 3559670 | G01N 33/68   | 3671430 | H03G 3/30   | 3743222 | B05D 7/06    |
| 3559695 | G01S 13/93   | 3674429 | C22C 1/05   | 3743656 | F21V 8/00    |
| 3560223 | H04W 4/40    | 3675075 | G08B 21/18  | 3745276 | G06F 16/21   |
| 3566722 | A61L 2/12    | 3675346 | H02P 5/68   | 3745279 | G06F 16/25   |
| 3566880 | B42D 25/324  | 3675820 | A61K 31/196 | 3748567 | G06Q 30/06   |
| 3567641 | H01L 31/173  | 3679161 | C12Q 1/6886 | 3751523 | G06T 19/00   |
| 3574474 | G06T 7/73    | 3679538 | G06Q 50/06  | 3758720 | A61K 35/34   |
| 3574479 | G07C 3/00    | 3679703 | H04L 29/06  | 3759175 | C09D 1/04    |
| 3576726 | A61K 31/225  | 3681053 | H04B 7/06   | 3761133 | G05B 23/02   |
| 3584002 | B01F 3/04    | 3681493 | A61K 31/166 | 3763377 | A61K 38/00   |
| 3584954 | H04B 7/06    | 3681801 | G01P 5/165  | 3771302 | H05K 1/14    |
| 3586230 | G06F 9/455   | 3682170 | F24F 11/63  | 3771992 | G06F 16/25   |
| 3586417 | H02G 3/30    | 3682366 | G06F 18/25  | 3772058 | G10K 15/02   |
| 3589006 | H04B 7/02    | 3686588 | H01J 49/04  | 3773863 | A61M 39/08   |
| 3590406 | A61B 1/00    | 3691157 | H04L 1/00   | 3774877 | C07K 14/81   |
| 3593582 | H04W 74/00   | 3691314 | H04W 8/24   | 3776385 | G06N 20/00   |
| 3594718 | G01S 15/42   | 3700218 | H04N 19/70  | 3779973 | G10L 15/28   |
| 3598545 | C08L 53/02   | 3700391 | A47B 96/14  | 3780903 | H05B 3/20    |
| 3602057 | G01N 33/558  | 3700455 | A61B 34/30  | 3781592 | C07K 16/18   |
| 3607344 | G01S 13/87   | 3701030 | C12N 15/113 | 3783905 | H04N 21/4728 |
| 3609185 | H04N 19/86   | 3702826 | G02B 27/01  | 3785312 | H01M 4/02    |

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|---------|--------------|---------|--------------|---------|--------------|
| 3785511 | A01C 17/00   | 3869477 | G08B 13/196  | 3931613 | G02B 6/44    |
| 3787961 | B62D 63/02   | 3870321 | A63F 13/69   | 3931622 | G02B 26/08   |
| 3790431 | A47J 31/057  | 3873449 | A61K 31/164  | 3932428 | A61K 39/395  |
| 3791511 | H04L 5/00    | 3874488 | H04N 7/14    | 3937736 | A47J 29/02   |
| 3793993 | C07D 403/04  | 3878468 | C07K 16/28   | 3937852 | A61F 2/28    |
| 3798122 | B64C 27/12   | 3880741 | C08J 5/18    | 3937990 | A61L 2/08    |
| 3800959 | H04W 72/12   | 3884399 | G06F 16/248  | 3938543 | C12Q 1/6883  |
| 3801551 | A61K 31/5513 | 3885388 | C08G 18/80   | 3938790 | G01P 5/14    |
| 3803799 | G06T 13/40   | 3886016 | G06Q 10/08   | 3939100 | H01M 2/02    |
| 3804529 | A23K 20/111  | 3887560 | C22C 21/10   | 3939995 | C07K 14/81   |
| 3805317 | C08L 83/14   | 3889798 | G06F 16/27   | 3941368 | A61B 17/30   |
| 3805836 | G06V 20/69   | 3890981 | B41J 2/175   | 3942234 | F24F 1/28    |
| 3810717 | C09K 8/66    | 3892635 | C07K 16/28   | 3943091 | A61K 35/28   |
| 3810951 | F16D 55/228  | 3892794 | E04F 15/02   | 3946646 | A63B 5/00    |
| 3813483 | H04W 76/50   | 3893193 | G06T 7/00    | 3946964 | B42D 25/342  |
| 3813665 | A61B 5/145   | 3894610 | C23C 4/02    | 3947202 | B65D 90/00   |
| 3815556 | A24F 40/57   | 3894751 | F23N 5/10    | 3947596 | C09K 9/02    |
| 3817165 | H02B 11/26   | 3894814 | G01L 1/22    | 3949428 | H04N 21/4363 |
| 3820281 | A01K 1/01    | 3895275 | H02J 7/00    | 3950879 | C09K 11/02   |
| 3820995 | C12N 7/00    | 3895423 | H04N 19/117  | 3952397 | H04W 24/02   |
| 3829415 | A61B 5/00    | 3896087 | C07K 16/28   | 3954268 | A61B 1/00    |
| 3831601 | C08G 63/16   | 3897512 | A61K 8/02    | 3954293 | A61B 6/00    |
| 3832484 | G06F 16/33   | 3897700 | A61K 39/00   | 3954906 | F16B 5/04    |
| 3834081 | G06F 8/60    | 3898663 | C07K 14/495  | 3958112 | G06F 3/16    |
| 3835094 | B60K 35/10   | 3898679 | C07K 16/28   | 3958739 | D04B 1/12    |
| 3836036 | G06N 5/00    | 3898902 | C10G 47/12   | 3962101 | H04R 1/40    |
| 3836119 | G08G 1/16    | 3899887 | G07F 17/32   | 3963051 | C12N 5/077   |
| 3838415 | B01L 9/00    | 3903149 | G02F 1/155   | 3963069 | C12N 15/10   |
| 3840086 | H01M 4/04    | 3903632 | A46B 5/00    | 3963969 | H04W 60/00   |
| 3842794 | G01N 27/403  | 3904114 | B44C 1/18    | 3965255 | H02J 7/00    |
| 3842798 | G01N 31/22   | 3906221 | C04B 28/02   | 3966018 | B29C 64/112  |
| 3842850 | G02B 21/00   | 3906264 | C08F 8/14    | 3966820 | G11B 7/2404  |
| 3844177 | C07K 16/28   | 3907235 | C07K 7/06    | 3966865 | H01L 27/1152 |
| 3844666 | G06K 9/00    | 3907589 | G06F 3/041   | 3968930 | A61H 3/04    |
| 3845549 | C07K 2/00    | 3907628 | G06F 16/583  | 3969028 | A61K 38/00   |
| 3846298 | H02B 7/06    | 3913897 | H04L 41/5054 | 3970461 | A01B 61/04   |
| 3847909 | A24F 40/10   | 3914070 | A01K 67/027  | 3971242 | C08L 39/00   |
| 3852068 | G06T 11/00   | 3914076 | A01N 31/08   | 3972476 | A61B 1/005   |
| 3852681 | A61F 2/24    | 3914450 | B32B 27/00   | 3975820 | A61B 3/06    |
| 3853544 | F25J 1/00    | 3914451 | B32B 27/00   | 3976080 | A61K 38/00   |
| 3855152 | G01M 5/00    | 3917515 | A61K 31/40   | 3977043 | G01B 3/00    |
| 3856181 | A61K 31/4439 | 3919654 | C25B 1/04    | 3977146 | G01R 31/392  |
| 3857371 | G06F 9/50    | 3920008 | G06F 3/0488  | 3977943 | A61B 17/072  |
| 3860431 | A61B 5/00    | 3922647 | C07K 16/28   | 3978332 | B61L 15/00   |
| 3863711 | C07D 471/04  | 3923026 | G01S 7/4863  | 3979311 | H01L 23/31   |
| 3866882 | A61M 5/145   | 3925414 | H05B 45/44   | 3979848 | A24D 3/02    |
| 3867322 | C09D 183/04  | 3930622 | A61C 7/14    | 3981349 | A61B 18/20   |
| 3867611 | G01J 3/02    | 3931525 | G01B 11/06   | 3983529 | C12N 5/077   |

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| 3983863 | G01C 21/28  | 4039166 | A61B 1/00    | 4081695 | E21B 34/14   |
| 3983967 | G06Q 10/06  | 4039593 | B64U 50/30   | 4082405 | A47J 27/04   |
| 3984024 | G10L 15/22  | 4040940 | A01D 46/30   | 4082832 | B60Q 1/04    |
| 3985304 | F21V 8/00   | 4042638 | H04L 12/28   | 4084115 | H01M 10/0562 |
| 3985490 | G06F 3/042  | 4044073 | G06N 5/04    | 4084730 | A61B 90/50   |
| 3987633 | H02M 1/08   | 4045075 | A61K 38/17   | 4085221 | F21V 3/06    |
| 3988521 | A61K 31/58  | 4045527 | C07K 14/55   | 4085409 | G06Q 10/10   |
| 3989536 | H04N 7/14   | 4045764 | E21B 47/07   | 4085827 | A61B 5/05    |
| 3990579 | C10G 11/18  | 4046156 | G10L 25/60   | 4085857 | A61B 18/08   |
| 3990680 | C23C 16/458 | 4046710 | B01J 29/46   | 4087612 | A61K 47/60   |
| 3990719 | E04F 15/02  | 4047015 | C07K 16/10   | 4092936 | H04J 11/00   |
| 3993852 | A61M 5/24   | 4047553 | G06T 7/20    | 4094215 | G06Q 20/02   |
| 3997470 | G01R 31/319 | 4047628 | H01H 19/46   | 4094635 | A47C 19/04   |
| 3998468 | G01N 1/02   | 4048076 | A21D 2/14    | 4095020 | B62D 23/00   |
| 3999396 | B61L 23/04  | 4049814 | B26B 13/20   | 4096214 | H04N 5/232   |
| 4001277 | C07D 417/14 | 4050648 | H01L 29/78   | 4096468 | A45C 13/02   |
| 4002291 | G06T 19/20  | 4052575 | A01N 43/16   | 4097364 | F16B 21/02   |
| 4003339 | C07D 221/02 | 4054324 | A01K 67/027  | 4102482 | G08G 5/00    |
| 4004827 | G06N 3/08   | 4055383 | A61K 40/11   | 4103964 | G01S 7/497   |
| 4006695 | G06F 1/26   | 4056113 | A61B 5/08    | 4104151 | G07F 17/32   |
| 4007569 | A61K 31/047 | 4057625 | H04N 7/18    | 4105129 | B64G 1/10    |
| 4008756 | C09D 5/44   | 4057990 | A61K 9/127   | 4106949 | B25B 1/24    |
| 4008808 | C25D 13/18  | 4059229 | H04R 1/10    | 4107566 | G02B 6/44    |
| 4009194 | G06F 16/35  | 4060381 | G01S 13/72   | 4108149 | A47L 9/04    |
| 4009558 | H04L 1/18   | 4060442 | G05B 23/02   | 4109837 | H04L 29/06   |
| 4012685 | G08G 5/00   | 4060517 | G06F 16/332  | 4112078 | A61K 39/395  |
| 4013454 | A61K 47/60  | 4062177 | G01N 33/68   | 4112158 | B01F 23/41   |
| 4014325 | H04L 9/40   | 4062938 | A61K 31/5377 | 4113364 | G06K 9/00    |
| 4015408 | B65D 17/00  | 4064076 | G06F 16/901  | 4113491 | G09G 3/00    |
| 4015941 | F25B 15/06  | 4064170 | G06Q 10/0631 | 4115954 | A62B 35/00   |
| 4017016 | H04N 21/262 | 4064238 | G08G 1/00    | 4121805 | G02B 5/30    |
| 4018928 | A61B 5/11   | 4064504 | H02J 7/00    | 4121834 | G05D 1/00    |
| 4019567 | C08G 73/06  | 4065245 | A63B 24/00   | 4122857 | B65H 57/22   |
| 4019619 | C11D 17/00  | 4066006 | G01S 7/35    | 4123487 | G06F 21/55   |
| 4022423 | G06F 3/041  | 4069670 | C07C 209/50  | 4124017 | H04N 23/68   |
| 4023183 | A61B 34/30  | 4072528 | A61P 35/00   | 4126876 | C07D 487/04  |
| 4023983 | F25J 3/04   | 4072835 | B29C 65/48   | 4130376 | D06M 101/06  |
| 4025535 | C01B 32/00  | 4073021 | C07C 2/50    | 4130377 | D06M 101/06  |
| 4026636 | B22F 7/06   | 4073857 | H01M 4/86    | 4131294 | C22C 19/07   |
| 4027040 | F16H 61/02  | 4075659 | H02M 7/5395  | 4132625 | A61M 21/02   |
| 4031568 | C07K 16/00  | 4076395 | A61K 31/437  | 4133246 | G01K 11/3206 |
| 4035491 | H04B 7/04   | 4076840 | B24C 7/00    | 4134641 | G01J 3/02    |
| 4035777 | B02B 3/04   | 4077387 | C07K 16/28   | 4135851 | A61P 35/02   |
| 4036092 | C07D 409/04 | 4077595 | C10G 45/64   | 4136635 | G10D 1/12    |
| 4036433 | F16F 1/373  | 4077672 | C12N 15/113  | 4137294 | B29C 53/80   |
| 4036532 | G01F 23/284 | 4079047 | H04W 40/24   | 4139063 | B09B 3/00    |
| 4038430 | G02B 6/44   | 4079117 | H05K 7/20    | 4139912 | G09G 3/00    |
| 4038698 | H01R 24/56  | 4081569 | C08G 18/76   | 4142546 | A47C 27/05   |

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|---------|--------------|---------|-------------|---------|--------------|
| 4142646 | A61L 27/34   | 4198125 | C12N 9/90   | 4245328 | A61L 27/52   |
| 4144516 | B29K 9/00    | 4198286 | F02C 7/262  | 4246084 | G01B 11/06   |
| 4144714 | C07C 11/107  | 4199309 | H02J 50/60  | 4247639 | B32B 27/18   |
| 4149528 | A61K 31/517  | 4199912 | A61K 9/50   | 4248346 | G06F 21/57   |
| 4149541 | A61K 39/29   | 4200090 | B09B 3/00   | 4249711 | E05B 67/00   |
| 4152901 | H05K 3/46    | 4200560 | F23D 3/40   | 4251119 | A61K 8/02    |
| 4158561 | G06Q 10/04   | 4201171 | A01B 63/14  | 4251192 | A61K 38/20   |
| 4159451 | B41J 2/21    | 4201519 | B01J 23/52  | 4256384 | G02B 6/12    |
| 4159700 | C04B 14/04   | 4201523 | B01J 35/00  | 4259147 | A61K 31/506  |
| 4160154 | G01C 21/36   | 4201922 | C07D 207/26 | 4259638 | A61K 31/5383 |
| 4161080 | G11B 27/031  | 4202116 | D21F 3/02   | 4259639 | A61K 31/5383 |
| 4161103 | H04R 25/00   | 4206585 | F25D 23/02  | 4259812 | C12P 7/24    |
| 4162787 | A01D 34/66   | 4207232 | H01H 13/705 | 4261211 | C07D 401/14  |
| 4162841 | A47C 4/04    | 4213076 | G06N 3/09   | 4261302 | B22F 1/00    |
| 4162951 | A61K 39/395  | 4213136 | G09G 3/00   | 4263552 | C07D 495/04  |
| 4164739 | A61N 5/06    | 4213313 | H01R 13/62  | 4263838 | C12N 15/86   |
| 4165733 | H01R 13/11   | 4213476 | H04N 1/32   | 4263840 | C12N 15/86   |
| 4166532 | C09D 11/328  | 4214698 | G09G 3/3233 | 4264452 | G06F 16/55   |
| 4167185 | G06T 7/20    | 4215713 | E06B 11/04  | 4264643 | H01B 3/20    |
| 4167392 | H01R 13/533  | 4215918 | G01N 33/68  | 4264644 | H01B 3/20    |
| 4168761 | G01J 3/02    | 4216143 | G06Q 40/04  | 4266863 | A01C 21/00   |
| 4169597 | A63H 17/21   | 4217726 | G01N 29/036 | 4267546 | C07C 59/64   |
| 4169832 | B63H 23/10   | 4218023 | G16H 20/40  | 4267726 | C12N 7/00    |
| 4174367 | F21S 43/14   | 4218548 | A61B 5/00   | 4268042 | G05D 1/229   |
| 4174714 | G06F 40/56   | 4218675 | A61F 2/24   | 4268764 | A61C 9/00    |
| 4175244 | H04L 41/0866 | 4222545 | G02B 6/44   | 4269793 | F04B 35/04   |
| 4176177 | F16B 2/14    | 4223733 | C07C 2/36   | 4270433 | H01H 33/662  |
| 4176825 | A61B 17/072  | 4223858 | C10M 171/00 | 4271845 | C22B 3/26    |
| 4178974 | C07K 14/47   | 4224062 | F23R 3/20   | 4273761 | G06N 10/60   |
| 4182049 | B01D 3/42    | 4225376 | A61K 47/60  | 4274445 | A44C 5/00    |
| 4182900 | G07F 7/00    | 4227125 | B60J 1/20   | 4277840 | B63H 5/08    |
| 4183673 | B63H 5/08    | 4228873 | B29C 49/42  | 4278328 | G06V 10/25   |
| 4183895 | C25B 1/02    | 4230451 | B60H 1/00   | 4280108 | G06N 3/04    |
| 4186129 | H01R 13/639  | 4230995 | G01N 15/14  | 4282036 | H01R 13/6463 |
| 4188674 | B29C 49/02   | 4234284 | B60H 1/00   | 4286537 | C12Q 1/689   |
| 4189454 | G02B 6/44    | 4234346 | B60T 7/20   | 4288633 | E06B 9/15    |
| 4189776 | H01Q 21/06   | 4234794 | D06F 39/02  | 4289742 | B64D 11/06   |
| 4190822 | C08F 4/654   | 4235208 | H04R 5/04   | 4290427 | G06N 20/00   |
| 4190823 | C08F 4/654   | 4237561 | C12N 15/113 | 4290594 | H10N 10/01   |
| 4190991 | E04G 19/00   | 4237821 | G01N 15/02  | 4293347 | G01N 27/12   |
| 4191919 | H04L 1/18    | 4237891 | G02B 6/44   | 4294039 | H04R 1/10    |
| 4193438 | H02G 3/10    | 4238307 | H04N 7/18   | 4295414 | H02S 20/23   |
| 4193541 | H04L 5/00    | 4238413 | A01K 67/033 | 4296266 | C07D 237/14  |
| 4195067 | G06F 16/29   | 4238549 | A61K 8/64   | 4298534 | G06F 16/958  |
| 4196745 | G01B 11/245  | 4238963 | C07D 211/14 | 4299258 | B25J 15/00   |
| 4197397 | A47C 17/86   | 4239673 | H01L 23/495 | 4302476 | H04N 5/33    |
| 4197551 | A61K 35/17   | 4240252 | A61B 17/072 | 4303536 | G01C 21/32   |
| 4197991 | C05F 17/60   | 4244357 | C12N 15/113 | 4305134 | C11B 7/00    |

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| 4306132 | A61K 48/00   | 4378990 | C08L 9/00   | 4454948 | H05B 45/48  |
| 4307720 | G10L 19/008  | 4379809 | H01L 29/423 | 4455597 | F28F 9/02   |
| 4307721 | G10L 19/008  | 4380732 | B04B 15/06  | 4456556 | H04R 1/10   |
| 4309641 | A61K 9/00    | 4381137 | E02F 3/60   | 4456675 | H05K 1/02   |
| 4310733 | G06N 3/065   | 4382840 | F27B 5/04   | 4458614 | B60Q 1/14   |
| 4314509 | F01N 13/18   | 4382983 | G01C 15/02  | 4459654 | H01H 33/12  |
| 4315108 | G06F 16/901  | 4384476 | C01B 3/44   | 4460944 | H04L 9/40   |
| 4317501 | C22C 21/02   | 4386567 | G06F 12/08  | 4461361 | A61K 31/714 |
| 4319917 | B01J 31/02   | 4389814 | C08L 7/00   | 4462221 | F24H 1/00   |
| 4319998 | B60G 3/18    | 4391854 | A41F 9/00   | 4462678 | H03K 3/037  |
| 4320346 | F03B 17/00   | 4394428 | G01S 11/16  | 4463921 | H02H 3/04   |
| 4320825 | H04L 12/46   | 4395076 | H01Q 5/48   | 4467164 | B64D 11/00  |
| 4320862 | H04N 19/117  | 4402274 | A61K 9/51   | 4473921 | A61B 17/225 |
| 4321314 | B26B 21/40   | 4405684 | G01N 33/68  | 4473943 | A61F 2/24   |
| 4323677 | F16K 31/04   | 4406072 | H01R 13/516 | 4474346 | C01B 32/00  |
| 4326522 | B29C 48/36   | 4406651 | B01D 46/121 | 4474347 | C01B 32/05  |
| 4328854 | G06V 10/764  | 4410204 | A61B 5/16   | 4474364 | C04B 20/02  |
| 4330175 | B66B 13/26   | 4410301 | A61K 38/13  | 4474369 | C05D 9/02   |
| 4330462 | D21H 27/10   | 4415529 | A01J 5/013  | 4474422 | C08L 23/22  |
| 4334999 | H01M 50/503  | 4423554 | G02B 6/44   | 4474505 | C22C 9/00   |
| 4335621 | B29C 49/64   | 4427816 | A61K 8/34   | 4474656 | F04D 29/28  |
| 4335802 | B65H 19/12   | 4429977 | B65G 1/04   | 4474701 | F22B 1/18   |
| 4337805 | C23C 14/56   | 4434587 | C07K 16/28  | 4475036 | G06N 3/045  |
| 4338854 | B05D 3/00    | 4436017 | H03K 3/45   | 4475149 | H01F 13/00  |
| 4338954 | B32B 27/30   | 4437962 | G16H 50/70  | 4475180 | H01L 23/36  |
| 4339892 | G06T 7/73    | 4438116 | A61K 31/506 | 4475235 | H01M 6/50   |
| 4343129 | F02C 3/22    | 4441129 | C08J 11/18  | 4475425 | H02P 21/18  |
| 4343194 | F16L 37/091  | 4442198 | A61B 5/145  | 4475426 | H02P 21/18  |
| 4344219 | H04N 21/2662 | 4442300 | A61M 5/172  | 4477117 | G07F 9/00   |
| 4345312 | F04B 53/00   | 4442442 | B29C 70/44  | 4479965 | G10L 15/16  |
| 4345332 | F16D 55/225  | 4443446 | H01B 7/42   | 4480314 | A01N 63/30  |
| 4345441 | G01N 1/22    | 4445722 | A01G 23/02  | 4480318 | A23F 5/04   |
| 4345466 | G01R 19/165  | 4445947 | A61N 1/37   | 4480319 | A23J 1/00   |
| 4348401 | G06F 3/01    | 4446168 | B60Q 1/12   | 4480323 | A23L 2/02   |
| 4351223 | H04W 8/22    | 4446301 | C07D 233/60 | 4480341 | A45B 9/02   |
| 4351518 | A61K 9/08    | 4446655 | F23B 60/02  | 4480385 | A61B 1/04   |
| 4353387 | B23B 45/02   | 4446744 | C12Q 1/04   | 4480391 | A61B 3/14   |
| 4353696 | C03C 27/12   | 4446808 | G02B 6/293  | 4480392 | A61B 5/00   |
| 4356550 | H04L 1/00    | 4446941 | G06T 7/12   | 4480393 | A61B 5/00   |
| 4360304 | H04N 5/225   | 4447132 | H01L 31/04  | 4480397 | A61B 5/01   |
| 4360831 | B26B 19/42   | 4447604 | H04W 4/40   | 4480400 | A61B 5/021  |
| 4363216 | B32B 17/10   | 4450083 | C07K 14/47  | 4480401 | A61B 5/024  |
| 4364113 | G06V 40/20   | 4450411 | B65B 5/10   | 4480402 | A61B 5/024  |
| 4367878 | H04N 9/73    | 4450791 | F02K 3/06   | 4480403 | A61B 5/026  |
| 4369571 | H02K 3/24    | 4450964 | G01N 27/327 | 4480407 | A61B 5/12   |
| 4369575 | H02K 7/102   | 4451188 | G06Q 10/083 | 4480408 | A61B 5/145  |
| 4369971 | A41D 27/08   | 4452972 | C07D 413/04 | 4480417 | A61B 6/00   |
| 4370521 | C07D 513/04  | 4454703 | A61K 9/20   | 4480421 | A61B 6/10   |

|         |              |         |              |         |              |
|---------|--------------|---------|--------------|---------|--------------|
| 4480424 | A61B 8/08    | 4480963 | C07K 14/72   | 4481625 | G06N 3/0442  |
| 4480456 | A61F 2/46    | 4480964 | C07K 16/18   | 4481629 | G06N 5/025   |
| 4480481 | A61K 31/4402 | 4480965 | C07K 16/18   | 4481632 | G06N 5/045   |
| 4480490 | A61K 38/17   | 4480979 | C08G 18/24   | 4481640 | G06N 20/20   |
| 4480493 | A61K 38/55   | 4480992 | C08G 65/26   | 4481642 | G06Q 10/00   |
| 4480500 | A61K 47/69   | 4480994 | C08G 77/12   | 4481650 | G06Q 10/0836 |
| 4480512 | A61M 1/06    | 4481016 | C10G 2/00    | 4481661 | G06Q 30/018  |
| 4480513 | A61M 1/06    | 4481028 | C12M 1/00    | 4481662 | G06Q 30/018  |
| 4480514 | A61M 1/06    | 4481041 | C12N 9/50    | 4481678 | G06T 7/00    |
| 4480535 | A61N 5/10    | 4481044 | C12N 15/79   | 4481684 | G06T 11/00   |
| 4480564 | B01D 19/04   | 4481055 | C12Q 1/6809  | 4481685 | G06T 11/00   |
| 4480580 | B01L 3/00    | 4481060 | C12Q 1/6876  | 4481693 | G06V 10/60   |
| 4480581 | B01L 3/00    | 4481078 | C22C 21/08   | 4481704 | G08B 13/08   |
| 4480582 | B01L 7/00    | 4481111 | D21H 27/10   | 4481716 | G09F 3/00    |
| 4480600 | B22D 11/04   | 4481112 | D21H 27/10   | 4481726 | G10L 15/22   |
| 4480620 | B23K 9/09    | 4481118 | E01C 19/10   | 4481749 | G16H 10/00   |
| 4480631 | B23Q 1/00    | 4481119 | E02B 17/00   | 4481751 | G16H 10/60   |
| 4480634 | B23Q 39/04   | 4481130 | E04D 3/35    | 4481752 | G16H 10/60   |
| 4480647 | B25J 9/16    | 4481136 | E04H 1/12    | 4481753 | G16H 20/30   |
| 4480659 | B28C 9/00    | 4481138 | E04H 4/00    | 4481754 | G16H 20/40   |
| 4480676 | B29C 64/106  | 4481191 | F03D 9/19    | 4481756 | G16H 20/70   |
| 4480677 | B29C 64/106  | 4481192 | F03D 9/19    | 4481758 | G16H 40/20   |
| 4480686 | B29D 30/54   | 4481193 | F03D 13/10   | 4481767 | G21K 1/00    |
| 4480687 | B29D 30/54   | 4481206 | F15B 7/00    | 4481779 | H01G 11/60   |
| 4480695 | B32B 3/04    | 4481221 | F16D 25/0638 | 4481783 | H01H 19/14   |
| 4480697 | B32B 17/10   | 4481268 | F21S 43/14   | 4481812 | H01L 23/552  |
| 4480700 | B32B 27/10   | 4481272 | F23J 15/06   | 4481815 | H01L 25/075  |
| 4480713 | B42D 25/324  | 4481275 | F24C 15/02   | 4481832 | H01L 31/0236 |
| 4480721 | B60D 1/01    | 4481276 | F24C 15/10   | 4481954 | H01R 13/46   |
| 4480744 | B60L 58/19   | 4481277 | F24C 15/16   | 4481968 | H02G 9/12    |
| 4480770 | B60T 8/26    | 4481278 | F24C 15/16   | 4481973 | H02J 3/00    |
| 4480771 | B60T 8/36    | 4481316 | F41G 1/38    | 4481977 | H02J 3/38    |
| 4480795 | B62H 5/00    | 4481319 | F42B 12/64   | 4482027 | H03F 1/02    |
| 4480801 | B62K 19/08   | 4481337 | G01F 23/24   | 4482028 | H03F 1/02    |
| 4480848 | B65D 81/20   | 4481361 | G01M 17/02   | 4482122 | H04L 67/12   |
| 4480854 | B65F 1/00    | 4481373 | G01N 27/12   | 4482148 | H04N 19/54   |
| 4480878 | B66B 3/00    | 4481420 | G01R 33/28   | 4482187 | H04W 12/40   |
| 4480887 | B66F 7/02    | 4481421 | G01R 33/54   | 4482275 | H10K 30/81   |
| 4480894 | B67C 3/00    | 4481422 | G01R 33/54   | 4483706 | A01G 9/24    |
| 4480904 | C01B 3/02    | 4481439 | G01S 13/86   | 4483735 | A41D 13/018  |
| 4480915 | C01B 33/24   | 4481463 | G02B 21/32   | 4483746 | A45D 1/28    |
| 4480926 | C02F 1/48    | 4481477 | G02C 7/02    | 4483755 | A47C 19/00   |
| 4480927 | C02F 1/48    | 4481491 | G03F 7/00    | 4483765 | A47L 5/24    |
| 4480928 | C02F 1/48    | 4481492 | G03F 7/00    | 4483783 | A61B 5/00    |
| 4480932 | C04B 20/10   | 4481578 | G06F 16/20   | 4483784 | A61B 5/00    |
| 4480934 | C04B 28/04   | 4481600 | G06F 21/46   | 4483786 | A61B 5/00    |
| 4480944 | C07C 263/10  | 4481608 | G06F 21/62   | 4483790 | A61B 5/02    |
| 4480960 | C07K 14/47   | 4481616 | G06F 30/27   | 4483791 | A61B 5/021   |

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| 4483792 | A61B 5/021   | 4484395 | C04B 7/24   | 4485109 | G05B 23/02   |
| 4483793 | A61B 5/0215  | 4484410 | C07D 209/82 | 4485112 | G05D 1/02    |
| 4483795 | A61B 5/024   | 4484428 | C07D 487/00 | 4485113 | G05D 1/02    |
| 4483797 | A61B 5/0537  | 4484445 | C07K 16/08  | 4485114 | G05D 1/02    |
| 4483809 | A61B 6/00    | 4484460 | C08G 18/09  | 4485120 | A61M 25/01   |
| 4483810 | A61B 6/00    | 4484463 | C08G 61/08  | 4485142 | G06F 3/01    |
| 4483812 | A61B 6/03    | 4484479 | C08K 3/22   | 4485143 | G06F 3/01    |
| 4483814 | A61B 8/00    | 4484480 | C08K 3/22   | 4485168 | G06F 7/483   |
| 4483815 | A61B 8/00    | 4484481 | C08K 3/32   | 4485197 | G06F 9/48    |
| 4483829 | A61B 18/18   | 4484497 | C08L 53/02  | 4485202 | G06F 9/54    |
| 4483831 | A61B 34/00   | 4484504 | C09D 5/16   | 4485211 | G06F 11/30   |
| 4483832 | A61B 34/30   | 4484513 | C09J 7/38   | 4485214 | G06F 11/34   |
| 4483837 | A61C 9/00    | 4484517 | C09J 153/02 | 4485222 | G06F 16/21   |
| 4483838 | A61C 9/00    | 4484523 | C10G 1/02   | 4485235 | G06F 18/40   |
| 4483864 | A61K 9/16    | 4484543 | C12M 1/12   | 4485236 | G06F 21/10   |
| 4483866 | A61K 31/045  | 4484547 | C12N 1/20   | 4485237 | G06F 21/31   |
| 4483886 | A61K 31/7105 | 4484575 | C12Q 1/6883 | 4485243 | G06F 21/55   |
| 4483904 | A61K 47/52   | 4484579 | C12Q 1/689  | 4485244 | G06F 21/55   |
| 4483920 | A61M 5/14    | 4484615 | C25B 9/70   | 4485257 | G06F 21/62   |
| 4483951 | A61P 11/00   | 4484658 | E03C 1/04   | 4485265 | G06F 30/27   |
| 4483954 | A61P 25/00   | 4484677 | E04H 17/16  | 4485267 | G06F 30/30   |
| 4483976 | A63C 5/03    | 4484696 | E21B 4/00   | 4485268 | G06F 30/30   |
| 4483987 | B01D 53/04   | 4484697 | E21B 4/00   | 4485274 | G06N 3/045   |
| 4483989 | B01D 53/047  | 4484703 | F01D 5/14   | 4485276 | G06N 3/0455  |
| 4484002 | B01J 21/04   | 4484722 | F02C 1/04   | 4485288 | G06N 5/022   |
| 4484034 | B22F 1/0545  | 4484743 | F03D 7/02   | 4485290 | G06N 10/20   |
| 4484035 | B22F 12/00   | 4484745 | F03D 7/02   | 4485293 | G06N 10/60   |
| 4484036 | B23B 27/10   | 4484748 | F04B 35/04  | 4485305 | G06Q 10/0639 |
| 4484040 | B23D 47/12   | 4484763 | F15B 15/12  | 4485349 | G06T 7/00    |
| 4484059 | B25B 11/00   | 4484764 | F16B 2/06   | 4485352 | G06T 7/149   |
| 4484076 | B25J 9/16    | 4484821 | F21V 8/00   | 4485363 | G06T 11/00   |
| 4484081 | B25J 13/08   | 4484834 | F24D 19/10  | 4485364 | G06T 11/00   |
| 4484091 | B26B 19/38   | 4484858 | F25B 47/02  | 4485365 | G06V 10/141  |
| 4484106 | B29B 17/00   | 4484871 | F26B 3/28   | 4485377 | G06V 10/80   |
| 4484123 | B29C 64/153  | 4484927 | G01N 21/31  | 4485387 | G06V 20/52   |
| 4484147 | B29D 99/00   | 4484939 | G01N 25/72  | 4485404 | G07C 9/00    |
| 4484174 | B42D 25/324  | 4484951 | G01N 33/50  | 4485429 | G09B 21/00   |
| 4484208 | B60L 53/14   | 4484993 | G01R 33/483 | 4485463 | G16B 20/30   |
| 4484249 | B61L 15/00   | 4485004 | G01S 7/52   | 4485469 | G16H 10/20   |
| 4484268 | B63B 23/34   | 4485011 | G01T 1/29   | 4485470 | G16H 10/40   |
| 4484271 | B63B 39/03   | 4485025 | G02B 6/38   | 4485473 | G16H 30/40   |
| 4484283 | B64C 13/04   | 4485041 | G02B 27/00  | 4485477 | G16H 50/30   |
| 4484319 | B65D 6/18    | 4485042 | G02B 27/00  | 4485480 | G21F 3/04    |
| 4484323 | B65D 47/20   | 4485071 | G03F 1/38   | 4485511 | H01L 21/67   |
| 4484353 | B66B 9/08    | 4485072 | G03F 7/00   | 4485539 | H01L 29/06   |
| 4484354 | B66C 1/10    | 4485098 | G05B 19/042 | 4485585 | H01M 4/88    |
| 4484360 | B81C 99/00   | 4485102 | G05B 19/18  | 4485670 | H01M 50/502  |
| 4484369 | C01B 32/05   | 4485106 | G05B 23/02  | 4485726 | H02G 15/113  |

4485727 H02H 3/24  
 4485736 H02J 3/18  
 4485748 H02J 7/02  
 4485758 H02K 3/493  
 4485759 H02K 3/493  
 4485765 H02K 11/25  
 4485771 H02K 15/12  
 4485779 H02M 1/12  
 4485784 H02M 7/162  
 4485802 H03K 19/1779  
 4485857 H04L 9/40  
 4485922 H04N 19/11  
 4485925 H04N 19/124  
 4485972 H04R 7/04  
 4485983 H04W 4/38  
 4486077 H05K 1/14  
 4486079 H05K 5/00  
 4486080 H05K 7/14  
 4488259 C07C 219/16  
 4492101 G02B 3/00  
 4495676 G02C 5/22  
 4496328 H04N 21/854  
 4498795 A01G 13/06  
 4499795 C11D 1/83  
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 4506413 C08L 25/06  
 4508392 G01C 21/36  
 4510044 G06N 3/08  
 4514130 A01N 39/04  
 4516854 C08L 25/04  
 4518102 H02K 1/276  
 4521061 G01C 3/06  
 4523170 G01C 21/00  
 4535434 H10F 77/00  
 4541475 B21D 19/08  
 4545166 B01D 53/00  
 4545620 B01J 31/02  
 4560718 H01M 4/04  
 4578463 A61K 47/68  
 4578874 C07K 16/28  
 4579210 G01N 15/0205  
 4579211 G01N 15/0205  
 4579282 G01S 13/931  
 4580605 A61K 9/16  
 4584068 B29B 17/02  
 4584069 B29B 17/02  
 4589334 G01S 7/481

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 4609446 H01M 4/04  
 4611895 A61P 25/28  
 4612351 C25B 1/23  
 4624993 G01S 13/86  
 4626327 A61B 8/06  
 4631317 H05K 1/02  
 4644205 B60W 50/14  
 4646366 B64D 27/24

## Zu Abschnitt 6a)1:

In diesem Heft keine Veröffentlichung

## Zu Abschnitt 6a)8:

In diesem Heft keine Veröffentlichung

## Zu Abschnitt 6b)1:

(21) DE-AKZ (51) IPC-HKL

11 2023 000 694 G06V 10/75  
 11 2023 004 172 F02C 7/224  
 11 2023 004 222 E02F 3/43  
 11 2023 004 269 F04D 29/10  
 11 2023 004 668 G16H 50/00  
 11 2023 004 928 H02P 6/16  
 11 2023 005 165 F16K 31/04  
 11 2023 005 169 H01H 85/175  
 11 2023 005 171 H01R 35/04  
 11 2023 005 177 G02B 27/01  
 11 2023 005 275 H01M 4/04  
 11 2023 005 306 G09G 3/20  
 11 2023 005 316 B60T 8/174  
 11 2023 005 327 G08G 1/16  
 11 2023 005 447 H01M 4/13  
 11 2023 005 474 A61M 39/20  
 11 2023 005 481 G01S 7/41  
 11 2023 005 488 G05B 23/02  
 11 2023 005 489 G01M 17/007  
 11 2023 005 491 G06V 10/98  
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 11 2023 005 561 H01F 1/059  
 11 2023 005 562 H02P 29/00  
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11 2023 005 573 G08G 1/09  
 11 2023 005 576 G05B 19/05  
 11 2023 005 583 F02D 41/14  
 11 2023 005 628 B60W 50/08  
 11 2023 005 642 F04D 29/58  
 11 2023 005 656 B60R 16/02  
 11 2023 005 672 G06T 1/60  
 11 2023 005 674 H10H 20/82  
 11 2023 005 678 A61B 5/22  
 11 2023 005 693 G01R 31/392  
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 11 2023 005 709 B60L 53/16  
 11 2023 005 786 B60K 7/00  
 11 2023 005 791 H01F 27/29  
 11 2023 005 793 H01M 50/516  
 11 2023 005 797 H04W 72/04  
 11 2023 005 798 H05K 5/02  
 11 2023 005 800 H02M 1/00  
 11 2023 005 812 B29C 64/209  
 11 2023 005 820 H02P 21/18  
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 11 2023 005 829 H01L 21/66  
 11 2023 005 831 H01H 39/00  
 11 2023 005 832 H02K 1/2791  
 11 2023 005 836 B23Q 11/00  
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 11 2023 005 845 A61B 1/04  
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 11 2023 005 847 H01H 39/00  
 11 2023 005 849 H01M 50/30  
 11 2023 005 851 B23K 35/26  
 11 2023 005 863 F16C 33/78  
 11 2023 005 871 F16H 1/32  
 11 2023 005 872 F16C 33/78  
 11 2024 000 068 A41D 1/215  
 11 2024 000 092 B01J 23/40  
 11 2024 000 256 A61B 5/103  
 11 2024 000 257 A61B 5/103  
 11 2024 000 308 B60W 40/09  
 11 2024 000 313 H10D 84/80  
 11 2024 000 318 A61B 34/20  
 11 2024 000 325 H05B 3/28  
 11 2024 000 330 C04B 35/597  
 11 2024 000 486 A23L 19/00  
 11 2024 000 494 C08F 8/14  
 11 2024 000 495 F24S 30/422  
 11 2024 000 498 C22B 34/24

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| 11 2024 000 586 | G05D 1/646   |
| 11 2024 000 629 | H03D 7/00    |
| 11 2024 000 653 | G05F 3/26    |
| 11 2024 000 655 | B62D 35/02   |
| 11 2024 000 658 | E02F 9/24    |
| 11 2024 000 666 | B60B 35/16   |
| 11 2024 000 667 | E02F 9/24    |
| 11 2024 000 673 | H04L 69/08   |
| 11 2024 000 674 | H01L 21/205  |
| 11 2024 000 675 | G06F 12/00   |
| 11 2024 000 677 | G01R 31/11   |
| 11 2024 000 678 | G02B 6/10    |
| 11 2024 000 731 | H04L 47/6295 |
| 11 2024 000 742 | B60N 2/28    |
| 11 2024 000 748 | H01M 8/0228  |
| 11 2024 000 759 | C09D 5/44    |
| 11 2024 000 780 | B24B 23/02   |
| 11 2024 000 787 | G07C 5/08    |
| 11 2024 000 789 | H10D 12/00   |
| 11 2024 000 795 | H01M 10/0567 |
| 11 2024 000 813 | G06F 11/07   |
| 11 2024 000 829 | H04W 76/10   |
| 11 2024 000 830 | H04W 4/38    |
| 11 2024 000 839 | G06F 40/30   |
| 11 2024 000 842 | F28F 9/02    |
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| 11 2024 000 854 | A23F 5/04    |
| 11 2024 000 856 | H01B 1/02    |
| 11 2024 000 862 | B62M 6/45    |
| 11 2024 000 865 | B60Q 3/283   |
| 11 2024 000 889 | H10D 30/67   |
| 11 2024 000 892 | H04N 25/47   |
| 11 2024 000 904 | F04D 25/16   |
| 11 2024 000 909 | G01R 31/319  |
| 11 2024 000 910 | F02D 41/22   |
| 11 2024 000 915 | H05B 6/12    |
| 11 2024 000 916 | G02B 6/00    |
| 11 2024 000 917 | H02K 1/16    |
| 11 2024 000 919 | H01M 10/42   |
| 11 2024 000 920 | H01B 7/02    |
| 11 2024 000 922 | G01D 5/22    |
| 11 2024 000 923 | A61B 5/0215  |
| 11 2024 000 924 | G01G 19/10   |
| 11 2024 000 925 | C04B 33/13   |
| 11 2024 000 927 | G05B 13/02   |
| 11 2024 000 929 | G01N 15/12   |
| 11 2024 000 940 | B65D 53/02   |
| 11 2024 000 957 | G01R 31/58   |

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| 11 2024 000 960 | H01Q 1/36   |
| 11 2024 000 961 | G02C 7/10   |
| 11 2024 000 963 | G05B 13/02  |
| 11 2024 000 964 | H02P 21/05  |
| 11 2024 000 965 | B32B 5/26   |
| 11 2024 000 966 | F16C 19/52  |
| 11 2024 000 967 | C09D 133/00 |
| 11 2024 000 969 | B60N 2/28   |
| 11 2024 000 971 | C23C 8/68   |
| 11 2024 000 974 | H02J 7/00   |
| 11 2024 000 980 | F23R 3/28   |
| 11 2024 000 986 | H01G 4/30   |
| 11 2024 000 987 | B60T 13/138 |
| 11 2024 000 991 | D07B 1/06   |
| 11 2024 000 996 | B60H 1/00   |
| 11 2024 000 999 | H10D 8/60   |

**Zu Abschnitt 6b)8:**

In diesem Heft keine Veröffentlichung

**Zu Abschnitt 6b)9:**

In diesem Heft keine Veröffentlichung