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| Patent Authority |                              | Kind | Latest Date | Volume |
|------------------|------------------------------|------|-------------|--------|
| AR               | Argentina                    | A1   | 18-Jan-23   | 5      |
|                  |                              | A2   | 26-Jan-22   | 1      |
| AT               | Austria                      | A1   | 15-Jul-23   | 6      |
|                  |                              | A2   | 15-Jul-23   | 2      |
|                  |                              | A4   | 15-Jul-23   | 17     |
|                  |                              | B1   | 15-Jul-23   | 21     |
|                  |                              | U1   | 15-Jul-23   | 4      |
| AU               | Australia                    | A1   | 27-Jul-23   | 85     |
|                  |                              | A4   | 13-Jan-22   | 55     |
|                  |                              | B1   | 27-Jul-23   | 5      |
|                  |                              | B2   | 27-Jul-23   | 16     |
| BE               | Belgium                      | B1   | 05-Dec-22   | 31     |
| BR               | Brazil                       | A2   | 20-Jun-23   | 78     |
|                  |                              | B1   | 13-Jun-23   | 2      |
|                  |                              | E2   | 20-Jun-23   | 5      |
|                  |                              | U2   | 20-Jun-23   | 29     |
| BY               | Belarus                      | C1   | 28-Feb-22   | 9      |
| CA               | Canada                       | A1   | 31-Jul-23   | 227    |
|                  |                              | C    | 25-Jul-23   | 31     |
| CH               | Switzerland                  | A1   | 14-Jul-23   | 3      |
|                  |                              | A2   | 14-Jul-23   | 39     |
|                  |                              | A9   | 30-Jun-23   | 12     |
|                  |                              | B1   | 14-Jul-23   | 7      |
|                  |                              | B9   | 30-Jun-23   | 24     |
| CN               | China                        | A    | 25-Jul-23   | 32168  |
|                  |                              | A8   | 25-Jul-23   | 8      |
|                  |                              | A9   | 21-Jul-23   | 1      |
|                  |                              | B    | 25-Jul-23   | 7643   |
|                  |                              | B8   | 21-Jul-23   | 1      |
|                  |                              | C    | 09-Sep-09   | 4      |
|                  |                              | U    | 25-Jul-23   | 22497  |
|                  |                              | U9   | 21-Jul-23   | 1      |
|                  |                              | Y    | 31-Oct-07   | 1      |
| CZ               | Czech Republic               | A3   | 05-Jul-23   | 5      |
| DE               | Germany                      | A    | 30-Jul-92   | 1      |
|                  |                              | A1   | 03-Aug-23   | 437    |
|                  |                              | A5   | 03-Aug-23   | 6      |
|                  |                              | A9   | 03-Aug-23   | 1      |
|                  |                              | B3   | 27-Jul-23   | 30     |
|                  |                              | T5   | 03-Aug-23   | 114    |
|                  |                              | T8   | 03-Aug-23   | 1      |
|                  |                              | U1   | 03-Aug-23   | 89     |
| EA               | Eurasian Patent Organisation | B1   | 16-Dec-20   | 2      |
| EP               | European                     | A1   | 02-Aug-23   | 3425   |
|                  |                              | A2   | 02-Aug-23   | 338    |
|                  |                              | A3   | 02-Aug-23   | 58     |
|                  |                              | A4   | 27-Mar-19   | 4      |
|                  |                              | A8   | 02-Aug-23   | 4      |
|                  |                              | A9   | 02-Aug-23   | 1      |
|                  |                              | B1   | 02-Aug-23   | 2622   |
|                  |                              | B2   | 02-Aug-23   | 37     |
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| ES               | Spain             | B9   | 02-Aug-23   | 6      |
|                  |                   | C0   | 28-Jun-23   | 503    |
|                  |                   | A1   | 22-May-23   | 9      |
|                  |                   | T3   | 28-Apr-17   | 1      |
| FI               | Finland           | U    | 18-May-23   | 2      |
|                  |                   | A    | 26-Jul-23   | 13     |
|                  |                   | B1   | 01-Aug-23   | 15     |
| FR               | France            | A    | 16-Jun-89   | 1      |
|                  |                   | A1   | 04-Aug-23   | 108    |
|                  |                   | A3   | 04-Aug-23   | 6      |
| GB               | Great Britain     | B1   | 14-Jul-23   | 1      |
|                  |                   | A    | 02-Aug-23   | 176    |
|                  |                   | A8   | 02-Aug-23   | 4      |
|                  |                   | B    | 02-Aug-23   | 117    |
| HK               | Hong Kong         | B8   | 02-Aug-23   | 6      |
|                  |                   | A    | 31-Jul-20   | 3      |
|                  |                   | A0   | 05-Aug-22   | 1      |
| HU               | Hungary           | A2   | 23-Sep-22   | 8      |
|                  |                   | A1   | 28-Jul-23   | 2      |
| ID               | Indonesia         | A    | 27-Sep-19   | 1      |
|                  |                   | A1   | 05-Apr-21   | 73     |
|                  |                   | S    | 12-Oct-18   | 1      |
|                  |                   | U1   | 24-Feb-21   | 21     |
| IE               | Ireland           | B1   | 19-Jul-23   | 3      |
|                  |                   | Y1   | 23-Nov-22   | 1      |
| IL               | Israel            | A    | 31-Jan-21   | 149    |
| IN               | India             | A    | 21-Jul-23   | 412    |
|                  |                   | B    | 21-Jul-23   | 93     |
|                  |                   | A    | 01-Aug-23   | 3115   |
| JP               | Japan             | B1   | 31-Jul-23   | 151    |
|                  |                   | B2   | 31-Jul-23   | 1795   |
|                  |                   | U    | 31-Jul-23   | 23     |
|                  |                   | W    | 04-Aug-23   | 1170   |
|                  |                   | X    | 31-Jul-23   | 2762   |
|                  |                   | A    | 03-Aug-23   | 2821   |
|                  |                   | B1   | 03-Aug-23   | 2366   |
| KR               | Republic of Korea | U    | 01-Aug-23   | 27     |
|                  |                   | Y1   | 01-Aug-23   | 15     |
|                  |                   | A4   | 16-Nov-15   | 2      |
|                  |                   | B    | 17-Sep-18   | 3      |
| LU               | Luxembourg        | B1   | 27-Feb-23   | 1      |
| MX               | Mexico            | A1   | 03-Feb-20   | 7      |
|                  |                   | B    | 17-Oct-22   | 1      |
| MY               | Malaysia          | A    | 30-Mar-22   | 16     |
| NL               | Netherlands       | B1   | 03-Jul-23   | 7      |
| NO               | Norway            | A    | 07-Jul-23   | 13     |

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| NZ               | New Zealand                | B1   | 24-Jul-23   | 1      |
|                  |                            | A2   | 28-Jul-23   | 86     |
| PH               | Philippines                | A1   | 26-Jun-23   | 8      |
|                  |                            | U1   | 30-Jun-23   | 11     |
| PL               | Poland                     | A1   | 09-Jan-23   | 2      |
|                  |                            | B1   | 06-Jun-22   | 1      |
| PT               | Portugal                   | A    | 24-Jul-23   | 1      |
| RD               | Research Disclosure        | A    | 01-Jul-23   | 17     |
| RO               | Romania                    | A2   | 30-Jun-23   | 12     |
| RU               | Russian Federation         | A    | 20-Jun-23   | 22     |
|                  |                            | C1   | 20-Jun-23   | 505    |
|                  |                            | C2   | 16-Aug-22   | 27     |
|                  |                            | U1   | 16-Jun-23   | 5      |
|                  |                            | A1   | 18-Jul-23   | 9      |
| SE               | Sweden                     | C2   | 25-Jul-23   | 5      |
|                  |                            | A    | 28-Oct-21   | 1      |
| SG               | Singapore                  | A1   | 29-Jul-20   | 3      |
|                  |                            | A3   | 26-Jul-23   | 1      |
| SK               | Slovakia                   | B6   | 26-Jul-23   | 6      |
|                  |                            | A    | 06-Jun-14   | 6      |
| TH               | Thailand                   | A2   | 21-Feb-22   | 16     |
| TR               | Turkey                     | T4   | 21-May-19   | 8      |
|                  |                            | U4   | 21-Feb-22   | 1      |
|                  |                            | U5   | 21-Feb-22   | 7      |
|                  |                            | A    | 16-May-23   | 138    |
|                  |                            | B1   | 21-May-23   | 56     |
| TW               | Taiwan                     | U    | 21-May-23   | 11     |
|                  |                            | A1   | 03-Aug-23   | 11088  |
|                  |                            | A2   | 03-Aug-23   | 2      |
|                  |                            | A9   | 03-Aug-23   | 15     |
|                  |                            | B1   | 01-Aug-23   | 767    |
| US               | United States Of America   | B2   | 01-Aug-23   | 844    |
|                  |                            | C1   | 25-Jul-23   | 3      |
|                  |                            | C2   | 25-Jul-23   | 1      |
|                  |                            | A    | 26-Jun-23   | 77     |
|                  |                            | B    | 26-Jun-23   | 10     |
| VN               | Viet Nam                   | A1   | 03-Aug-23   | 7604   |
|                  |                            | A2   | 03-Aug-23   | 589    |
|                  |                            | A3   | 03-Aug-23   | 268    |
|                  |                            | A4   | 03-Aug-23   | 13     |
|                  |                            | A8   | 03-Aug-23   | 21     |
|                  |                            | A9   | 03-Aug-23   | 57     |
| WO               | Patent Co-operation Treaty |      |             |        |
|                  |                            |      |             |        |
|                  |                            |      |             |        |
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