附件2：原告专利信息

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 公开(公告)号 | 申请日 | 原始申请(专利权)人 | 权利届满日 |
| 1 | [US6343317B1](https://analytics.zhihuiya.com/patent-view/abst?patentId=f015e480-4cb6-43a1-a97d-80303919990a&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=DGwDz4nArcmScUhDQXWcn0SGNYGX+j2CsPIys9iwrCw=&expire=94608000&date=20240418T082158Z&version=1.0) | 1999-12-29 | GLORIKIAN, HARRY A. | 2019-12-29 |
| 2 | [US7099921B1](https://analytics.zhihuiya.com/patent-view/abst?patentId=41e71ce5-ae68-4cc8-9ece-ba55f632eea8&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=430gx5fWZdP7MK+lIBUelDp8otW4HV8hIYuvOYiTKIY=&expire=94608000&date=20240418T082158Z&version=1.0) | 2000-10-16 | HALL ALUMINUM LLC | 2022-08-06 |
| 3 | [US6985743B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=10a3d701-d3ea-46d9-b6ac-503e803d9e29&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=FJ2wcYLroxRqVYApKg7+fRayaj8VaQY3bUYRSmfE9mA=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-03-16 | INTEL CORPORATION | 2022-07-10 |
| 4 | [US7003569B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=a63df86e-1327-4fbd-8601-0ce3cbe3b9c5&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=cTHGby4rGmb4CqUiwxfBN5aYxTHsC8QSySPC027jKOs=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-03-20 | CYPRESS SEMICONDUCTOR CORP. | 2023-04-21 |
| 5 | [US7239800B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=719fb170-7b35-477c-b6d9-df5f1cd24a00&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=MwGyYDhLbygQBJLingke5z8fCSBqY3V0wDlCtaaImPw=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-05-02 | SITRICK, DAVID H. | 2024-10-17 |
| 6 | [US6782367B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=d644f742-61ec-4586-90eb-ddbac6725271&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=3HBXbOj6whPbZF7WigPUOze9xLznTzBd+CpTK93De28=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-05-08 | NOKIA MOBILE PHONES LTD. | 2023-04-03 |
| 7 | [US7162507B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=61d7f557-a038-4f5c-bf47-db9830339a8d&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=1pl8kSqjLcjhk+o0cAJABXnc97MdgQiNg47XcO3Gmus=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-08-03 | CONEXANT, INC. | 2023-09-15 |
| 8 | [US6895236B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=57f656bd-4f18-449f-a6ea-19046cb42c65&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=UMuEZspixK/u+9CsHdW2y414yWIhfYBofbHMBdDUwrQ=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-08-23 | IDEAFLOOD, INC. | 2023-09-07 |
| 9 | [US7369841B1](https://analytics.zhihuiya.com/patent-view/abst?patentId=8e85467c-74eb-4a98-8d8e-cfb1b736e5cb&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=1mP1KVBifwNeCRhmZ+d6C8f8Eh5A8IytkhF3+qXDI40=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-09-28 | DURHAM LOGISTICS LLC | 2022-11-26 |
| 10 | [US7158598B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=0846e42f-b667-47bc-a1b6-921181b78d7a&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=QdAdR+c9LroZPi6pv9fJGyDI22oQi0UJXNwDfb2Q7tU=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-10-19 | NOKIA CORPORATION | 2023-12-17 |
| 11 | [US7293244B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=eeb389e0-bcab-4f1e-a51c-ba6892305642&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=jQjkUn9r7RkhvAfUS37qHdRIS0+vs+31DcwjSubFN/U=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-12-18 | SYMBIAN SOFTWARE LTD. | 2023-05-14 |
| 12 | [US7103557B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=eccce5ad-c686-453e-a149-b6e0661e6a4d&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=Euy9FB/wrIsyTsvOO5l2z4K9MhNSQiTV/p0l5bqq7UE=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-12-21 | KONINKLIJKE PHILIPS ELECTRONICS N.V. | 2024-01-09 |
| 13 | [US7184797B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=3e767db2-af82-4456-82af-2385ecb169bb&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=rLDFUErgQjuNjubPaISVUNoeXVtH6Orn4O0o4FNUzOU=&expire=94608000&date=20240418T082158Z&version=1.0) | 2001-12-28 | NOKIA CORPORATION | 2023-12-26 |
| 14 | [US6772213B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=932bc7c0-277c-4b58-821d-22cc93ef6270&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=4cbf3gBGALJIuBhhWcBxe1QgVBm9CBq3gsKwM4mnJQA=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-04-11 | GLORIKIAN, HARRY A. | 2020-03-31 |
| 15 | [US7103313B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=566631ce-df94-467b-accb-1aa1e45d6e38&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=4lblxvhh+MlEJOYhY3JWv9f4r6eruuOsTiwqSEU7iNI=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-06-05 | NOKIA CORPORATION | 2023-04-27 |
| 16 | [US6768963B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=84aa3516-ac94-412d-9476-107bf545e03c&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=luuX6YqPQHyz/Onqg1y3jBUEq6UuO02BMNXPW2+hxCk=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-06-12 | TELCORDIA TECHNOLOGIES, INC. | 2022-08-20 |
| 17 | [US7170872B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=c2a0aa17-e437-4110-97c5-e7c0d33ad64e&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=R2kIKpapdimG8FaACY7Lo5AgjkBgLRMclFCcSPiXxO0=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-07-24 | NOKIA CORPORATION | 2023-10-18 |
| 18 | [US7367029B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=c15ff4a4-8ac7-4b12-9ca0-49265ac60777&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=jKRbYhbRAQUu1hpFFSPs1hNW8j3FxTPDGnrVrda5Vbk=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-08-01 | XEROX CORPORATION | 2024-02-10 |
| 19 | [US6891860B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=ec30e185-8061-4317-9889-c3fb88b88df5&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=W8c5VkzJFK5Ez9bTIN10NyPX8tSUrJMzZdTuXcFzEGY=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-08-21 | DEFYWIRE, INC. | 2022-08-21 |
| 20 | [US7359892B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=283eb103-b59e-4098-9d54-78c3348af9ce&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=VyoRjA9QEC+QBXH0MOegSDzsEzKczvdmcsqDIm2FMLc=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-12-04 | NOKIA CORPORATION | 2024-03-01 |
| 21 | [US7266121B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=5227e33f-8575-446e-83b6-4e3dddb5991b&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=HLtTjPyY3NA2Qq5OLqObgaC+adIMPeWfDo194bl4kpg=&expire=94608000&date=20240418T082158Z&version=1.0) | 2002-12-27 | NOKIA CORPORATION | 2025-10-09 |
| 22 | [US8254863B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=16a89a12-3314-4b8e-87f7-994f38e75b8f&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=JheG9xYEpNs4ZUolrMesmlO2DePmMQaTRQyqD2VPjCE=&expire=94608000&date=20240418T082158Z&version=1.0) | 2003-03-27 | OY ISI INDUSTRY SOFTWARE AB | 2028-06-22 |
| 23 | [US7391724B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=6f388630-4e82-4d45-a26c-597746c9fcb1&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=j9g9KJzwG/wfnSRKc3QMjISAjE1xAHo7koMlKJ3SVNY=&expire=94608000&date=20240418T082158Z&version=1.0) | 2003-05-16 | SPYDER NAVIGATIONS, L.L.C. | 2026-04-28 |
| 24 | [US7028176B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=f0e37142-4e80-4415-b368-16d493689cab&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=+E1UzEzdNisWWpWNOvwOKqOr85b5Mt1iuzAv9ZliCzE=&expire=94608000&date=20240418T082158Z&version=1.0) | 2003-05-22 | NOKIA CORPORATION | 2023-02-12 |
| 25 | [US7792799B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=e4531b45-73fc-47e2-9616-2b28b35ebc3d&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=MwNytdRhDFw6WpTgqm00uJdUy66n/jmXF8HuNTETCH8=&expire=94608000&date=20240418T082158Z&version=1.0) | 2003-10-10 | PERLEGO SYSTEMS, INC. | 2024-05-17 |
| 26 | [US7814419B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=dd734971-8ad9-4a66-b87e-ef405d989a04&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=KwJPPebMF/FlqyBTrcOa8gySAA+nGUv4ghfl8csMe48=&expire=94608000&date=20240418T082158Z&version=1.0) | 2003-11-26 | NOKIA CORPORATION | 2026-05-05 |
| 27 | [US7218914B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=658af24e-6aae-412e-9e80-acecd930a738&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=aGV6ZrhhqmYd9JiWdYfTGVxCLyLgZrvevWCBV5XixsI=&expire=94608000&date=20240418T082158Z&version=1.0) | 2005-05-09 | HOSHIKO, LLC | 2021-10-02 |
| 28 | [US7746824B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=d43159b1-ccd5-4e01-9d26-5b25245a438d&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=0pH6zN18pRbayndLmUfJARFxC+bpWzu+c5m26sRl808=&expire=94608000&date=20240418T082158Z&version=1.0) | 2005-05-10 | GAUTNEY, CHARLES W. | IDRIS, NAZMUL BIN | 2022-08-21 |
| 29 | [US7984291B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=1ee216a1-b97d-459b-94f8-44e8e768f20d&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=Z/EV7aJOBSh5C3ZL8I7eL0Tf52dvhhHZ9JDi6fNZPWs=&expire=94608000&date=20240418T082158Z&version=1.0) | 2006-02-09 | NOKIA CORPORATION | 2028-10-20 |
| 30 | [US8101000B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=bf453ae4-6fa3-4bf3-9ec2-84f0742ce935&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=BkSa4qneB4CrSjlOqPxaAyxscutPGFHWuj+2DZ4HpkQ=&expire=94608000&date=20240418T082158Z&version=1.0) | 2006-08-18 | DURHAM LOGISTICS, LLC | 2022-11-26 |
| 31 | [US7542755B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=ecca2892-28db-43e4-9060-9de0f11c6ff7&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=ngRNjghAsr9xW/U13nw9qFPSqS1aDVUMuVYmmHTOT+c=&expire=94608000&date=20240418T082158Z&version=1.0) | 2006-08-18 | UHLIK, CHRISTOPHER | YOUSEFFMIR, MICHAEL | 2022-04-17 |
| 32 | [US7706775B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=4f9c1385-7621-4247-876f-9f93d064da90&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=TeZeg+4INCN7LgC9BKb+1wukjfQH1bUKeEAV7AwmbZQ=&expire=94608000&date=20240418T082158Z&version=1.0) | 2006-08-18 | DURHAM LOGISTICS, LLC | ARRAYCOMM | 2022-11-26 |
| 33 | [US8725120B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=7e3c27b8-1c40-436b-ad03-f753d941241a&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=svxE1x1uNgJ5CJYDCFlDqorIPuFnS2P9+tUTV0FaU+E=&expire=94608000&date=20240418T082158Z&version=1.0) | 2006-09-01 | GLORIKIAN, HARRY A. | 2024-12-03 |
| 34 | [US7890124B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=723b6e84-4b03-4cfc-96a6-3b63aba5d1b0&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=Pyv+vVb469i3hV9PkvS5pNVpRpcWrlFG1hO1bwQpx+c=&expire=94608000&date=20240418T082158Z&version=1.0) | 2006-09-28 | AT&T INTELLECTUAL PROPERTY I, L.P. | 2028-05-18 |
| 35 | [US8072929B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=20b493fd-4d53-4276-a09d-c9ebe99ccf22&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=ci5c9eZvDDo13IeeEBSKMDmJIPcDBKA7vUlOMXPqT30=&expire=94608000&date=20240418T082158Z&version=1.0) | 2007-01-03 | AMOSMET INVESTMENTS LLC | 2028-08-04 |
| 36 | [US7565176B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=1343f6b7-b6a4-4f06-b706-006543215a59&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=Ge2tHo7e3Ok4iWFE0dkjIsXqf5Rr67H4ZVL3oldMNh4=&expire=94608000&date=20240418T082158Z&version=1.0) | 2007-01-10 | NOKIA CORPORATION | 2022-07-20 |
| 37 | [US7970378B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=c4553069-11e2-4b88-92f7-929c6d04f2dc&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=qlaKYzXbo8nZZoMNKxq5xb3uNAIAjda7Atx9U18WvBI=&expire=94608000&date=20240418T082158Z&version=1.0) | 2007-04-19 | HOSHIKO LLC | 2023-09-07 |
| 38 | [US7805051B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=1dc5771c-c2c3-46a8-aae6-997f11088b81&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=WZR4Vc6vMjj/d/0gPADGi/5qGGHoJTI7THC8tcpl1bQ=&expire=94608000&date=20240418T082158Z&version=1.0) | 2007-05-25 | BILLBREY, BRETT | 2022-12-17 |
| 39 | [US8565577B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=ddc88f56-d138-4849-810c-7327d77d23eb&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=b4hXSi5An3Oik3GAPi7KVuC1d7GoEyz+d68EarqRrtU=&expire=94608000&date=20240418T082158Z&version=1.0) | 2010-09-27 | BILBREY, BRETT | 2022-09-03 |
| 40 | [US8676158B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=c6f8579d-0022-4810-9e52-1dc66fa66f41&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=nnH42MSG1IexAIoEzYQybwRC6meTvsfSFzR+VbRQcpU=&expire=94608000&date=20240418T082158Z&version=1.0) | 2011-06-27 | HOSHIKO LLC | 2022-03-13 |
| 41 | [USRE43585E1](https://analytics.zhihuiya.com/patent-view/abst?patentId=27a29482-803f-4f35-ba65-81005cc51d94&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=6D5Zcd8YZjJm42kxivDQ5QeGGzwMxMXUhHbxvlOgq7U=&expire=94608000&date=20240418T082158Z&version=1.0) | 2011-07-21 | CALTON RESEARCH L.L.C. | 2022-07-20 |
| 42 | [US8295806B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=c6d5663e-7ba7-4bed-8eb1-74e40292a0fa&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=fj9rf6N3let4XaE7NYLeuDjXVP4VKlBpcdDgFChtB1s=&expire=94608000&date=20240418T082158Z&version=1.0) | 2011-12-13 | DURHAM LOGISTICS, LLC | 2021-09-28 |
| 43 | [US8577317B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=b692632d-c0d1-40f9-ab1d-8b9cca16cfaa&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=8nT/Kv738af+nd9+fxf9TAVBq+qDmX7xCS3FUxNXr+s=&expire=94608000&date=20240418T082158Z&version=1.0) | 2012-06-29 | MANOR RESEARCH, L.L.C. | 2023-03-27 |
| 44 | [US9124852B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=e30b814c-e146-411e-82a6-4b48f119fa29&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=/uBiHb5b+UbiMiMq73JxyQWCE++haOyTDUuKT7P/KOk=&expire=94608000&date=20240418T082158Z&version=1.0) | 2013-10-21 | MANTROSE GROUP LIMITED LIABILITY COMPANY | 2021-05-21 |
| 45 | [US9299088B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=543c4236-1208-4d4b-a046-f0ab0277ae66&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=gZNF+w9E1YoHXedyzAX8AdbbIyjw/3lYJx6+LFiL1Eo=&expire=94608000&date=20240418T082158Z&version=1.0) | 2015-04-24 | CRYSTAL DEVELOPMENT CONSULTING SERVICES L.L.C. | 2019-12-29 |
| 46 | [US9819898B2](https://analytics.zhihuiya.com/patent-view/abst?patentId=73cd8c65-9099-4ea8-9c8c-14458377dfd9&shareId=F53D48EC-8327-7399-CE5F-55E302592938&from=EXPORT&signature=Fvy59E8e0UPTOThRhd9qeIbroG+Fr3UAxjo1ovQcHBI=&expire=94608000&date=20240418T082158Z&version=1.0) | 2015-08-28 | MANTROSE GROUP LIMITED LIABILITY COMPANY | 2021-05-23 |