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Dolby International AB

CN 100401780C
TW I268714

Dolby Laboratories Licensing Corporation

US 7,319,415
US 7,894,530
US 8,374,237
US 9,398,299
US 9,628,801
US 9,948,955

Microsoft Corporation

AT (EP 1,528,812) - Exp. Aug 11, 2024
BE (EP 1,656,793) - Exp. Sep 3, 2024
BE (EP 1,661,387) - Exp. Sep 2, 2024
BE (EP 1,665,761) - Exp. Sep 3, 2024
CN 100407224 - Exp. Sep 2, 2024
CN 100456833 - Exp. Sep 2, 2024
CN 100568970
CN 100576915 - Exp. Sep 6, 2024
CN 101335896 - Exp. Sep 6, 2024
CN 101841719 - Exp. Sep 2, 2024
CN 101924935 - Exp. Sep 2, 2024
CN 101931802 - Exp. Sep 2, 2024
CN 200410077192.2 - Exp. Sep 6, 2024
CN 200480024621.8 - Exp. Sep 2, 2024
CN 200480025454.9 - Exp. Sep 2, 2024
CN 200480025568.3 - Exp. Sep 1, 2024
CN 200480025575.3 - Exp. Sep 2, 2024
CN 200710006356.6 - Exp. Sep 2, 2024
CN 200710006359.X - Exp. Sep 2, 2024
CN 200710142211.9 - Exp. Sep 2, 2024
CN 201010110149.7 - Exp. Sep 2, 2024
CN 201010110154.8 - Exp. Sep 2, 2024
CN 201010110181.5 - Exp. Sep 2, 2024
CN 201010110741.7 - Exp. Sep 2, 2024
CN 201010110774.1 - Exp. Sep 2, 2024
CN 201010169821.X - Exp. Sep 2, 2024
CN 201010169982.9 - Exp. Sep 2, 2024
CN 201010170158.5 - Exp. Sep 2, 2024
CZ (EP 1,656,793) - Exp. Sep 3, 2024
CZ (EP 1,661,387) - Exp. Sep 2, 2024
CZ (EP 1,665,761) - Exp. Sep 3, 2024

DE (EP 1,528,812) - Exp. Aug 11, 2024
DE (EP 1,549,064)
DE (EP 1,656,793) - Exp. Sep 3, 2024
DE (EP 1,656,794) - Exp. Sep 3, 2024
DE (EP 1,658,726) - Exp. Sep 3, 2024
DE (EP 1,661,387) - Exp. Sep 2, 2024
DE (EP 1,665,761) - Exp. Sep 3, 2024
DE (EP 2,285,113) - Exp. Sep 3, 2024
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DE (EP 2,290,991) - Exp. Aug 11, 2024
DE (EP 2,323,398) - Exp. Sep 3, 2024
DE (EP 2,323,399) - Exp. Sep 3, 2024
DE (EP 2,323,406) - Exp. Sep 3, 2024
DE (EP 2,451,161) - Exp. Sep 3, 2024
DE (EP 2,466,894) - Exp. Sep 3, 2024
DE (EP 2,466,895) - Exp. Sep 3, 2024
ES (EP 1,656,793) - Exp. Sep 3, 2024
ES (EP 1,661,387) - Exp. Sep 2, 2024
ES (EP 1,665,761) - Exp. Sep 3, 2024
ES (EP 2,290,991) - Exp. Aug 11, 2024
ES (EP 2,466,894) - Exp. Sep 3, 2024
ES (EP 2,466,895) - Exp. Sep 3, 2024
FR (EP 1,528,812) - Exp. Aug 11, 2024
FR (EP 1,549,064)
FR (EP 1,656,793) - Exp. Sep 3, 2024
FR (EP 1,656,794) - Exp. Sep 3, 2024
FR (EP 1,658,726) - Exp. Sep 3, 2024
FR (EP 1,661,387) - Exp. Sep 2, 2024
FR (EP 1,665,761) - Exp. Sep 3, 2024
FR (EP 2,285,113) - Exp. Sep 3, 2024
FR (EP 2,285,114) - Exp. Sep 3, 2024
FR (EP 2,285,115) - Exp. Sep 3, 2024
FR (EP 2,290,991) - Exp. Aug 11, 2024
FR (EP 2,323,398) - Exp. Sep 3, 2024
FR (EP 2,323,399) - Exp. Sep 3, 2024
FR (EP 2,323,406) - Exp. Sep 3, 2024
FR (EP 2,451,161) - Exp. Sep 3, 2024
FR (EP 2,466,894) - Exp. Sep 3, 2024
FR (EP 2,466,895) - Exp. Sep 3, 2024
GB (EP 1,528,812) - Exp. Aug 11, 2024
GB (EP 1,549,064)
GB (EP 1,656,793) - Exp. Sep 3, 2024
GB (EP 1,656,794) - Exp. Sep 3, 2024
GB (EP 1,658,726) - Exp. Sep 3, 2024
GB (EP 1,661,387) - Exp. Sep 2, 2024
GB (EP 1,665,761) - Exp. Sep 3, 2024
GB (EP 2,285,113) - Exp. Sep 3, 2024

GB (EP 2,285,114) - Exp. Sep 3, 2024
GB (EP 2,285,115) - Exp. Sep 3, 2024
GB (EP 2,290,991) - Exp. Aug 11, 2024
GB (EP 2,323,398) - Exp. Sep 3, 2024
GB (EP 2,323,399) - Exp. Sep 3, 2024
GB (EP 2,323,406) - Exp. Sep 3, 2024
GB (EP 2,451,161) - Exp. Sep 3, 2024
GB (EP 2,466,894) - Exp. Sep 3, 2024
GB (EP 2,466,895) - Exp. Sep 3, 2024
HK 1119336 - Exp. Sep 3, 2024
HK 1,144,989 - Exp. Sep 2, 2024
HK 1,147,373 - Exp. Sep 2, 2024
HK 1,149,405 - Exp. Sep 2, 2024
HK 1,149,657 - Exp. Sep 2, 2024
HK 1,149,658 - Exp. Sep 2, 2024
HK 1,150,484 - Exp. Sep 2, 2024
HK 1,152,178 - Exp. Sep 2, 2024
HK 1,152,431 - Exp. Sep 2, 2024
HK 1,154,142 - Exp. Sep 2, 2024
HK 1155017 - Exp. Aug 10, 2024
IN 250022 - Exp. Sep 1, 2024
IN 257584 - Exp. Sep 2, 2024
IN 260813 - Exp. Sep 2, 2024
IN 275234 - Exp. Sep 2, 2024
IN 310973 - Exp. Aug 12, 2024
IN 313324
IN 341901 - Exp. Sep 2, 2024
IN 357042 - Exp. Sep 2, 2024
IN 387225 - Exp. Sep 2, 2024
IT (EP 1,656,793) - Exp. Sep 3, 2024
IT (EP 1,661,387) - Exp. Sep 2, 2024
IT (EP 1,665,761) - Exp. Sep 3, 2024
IT (EP 2,290,991) - Exp. Aug 11, 2024
IT (EP 2,466,894) - Exp. Sep 3, 2024
IT (EP 2,466,895) - Exp. Sep 3, 2024
JP 4,633,417 - Exp. Sep 7, 2024
JP 4,698,186 - Exp. Sep 6, 2024
JP 4,763,607 - Exp. Sep 3, 2024
JP 4,913,245 - Exp. Sep 3, 2024
JP 4,916,579 - Exp. Sep 3, 2024
JP 4,916,581 - Exp. Sep 3, 2024
JP 4,921,971 - Exp. Sep 3, 2024
JP 4,928,001 - Exp. Sep 3, 2024
JP 4,928,002 - Exp. Sep 3, 2024
JP 4,928,726
JP 4,986,622 - Exp. Sep 2, 2024
JP 5,006,457 - Exp. Sep 3, 2024
JP 5,026,602 - Exp. Sep 3, 2024



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JP 5,030,591 - Exp. Sep 3, 2024
JP 5,036,883 - Exp. Sep 3, 2024
JP 5,036,884 - Exp. Sep 3, 2024
JP 5,036,886 - Exp. Sep 3, 2024
JP 5,043,206 - Exp. Sep 3, 2024
JP 5,048,146 - Exp. Sep 3, 2024
JP 5,049,009 - Exp. Sep 3, 2024
JP 5,174,581 - Exp. Sep 6, 2024
JP 5,280,003 - Exp. Sep 3, 2024
KR 681,370 - Exp. Sep 6, 2024
KR 802,203 - Exp. Sep 7, 2024
KR 1,028,955 - Exp. Sep 2, 2024
KR 1,037,816 - Exp. Sep 3, 2024
KR 1,037,834 - Exp. Sep 3, 2024
KR 1,038,794 - Exp. Sep 3, 2024
KR 1,038,822 - Exp. Sep 3, 2024
KR 1,075,377 - Exp. Sep 3, 2024
KR 1,083,870 - Exp. Sep 3, 2024
KR 1,083,904 - Exp. Sep 3, 2024
KR 1,087,400 - Exp. Sep 3, 2024
KR 1,103,867 - Exp. Sep 3, 2024
KR 1,104,019 - Exp. Sep 3, 2024
KR 1,122,898
KR 1,365,908 - Exp. Sep 3, 2024
MX 266895 - Exp. Sep 3, 2024
MX 266986 - Exp. Sep 3, 2024
MX 276660 - Exp. Sep 3, 2024
MX 276661 - Exp. Sep 2, 2024
MX 277526 - Exp. Sep 3, 2024
MX 280,362 - Exp. Sep 3, 2024
MX 302418 - Exp. Sep 3, 2024
MX 307322 - Exp. Sep 3, 2024
MX 307324 - Exp. Sep 3, 2024
MX 312428 - Exp. Sep 3, 2024
MX 313771 - Exp. Sep 3, 2024
NL (EP 1,528,812) - Exp. Aug 11, 2024
NL (EP 1,656,793) - Exp. Sep 3, 2024
NL (EP 1,658,726) - Exp. Sep 3, 2024
NL (EP 1,661,387) - Exp. Sep 2, 2024
NL (EP 1,665,761) - Exp. Sep 3, 2024
NL (EP 2,285,113) - Exp. Sep 3, 2024
NL (EP 2,285,114) - Exp. Sep 3, 2024
NL (EP 2,285,115) - Exp. Sep 3, 2024
NL (EP 2,290,991) - Exp. Aug 11, 2024
NL (EP 2,323,398) - Exp. Sep 3, 2024
NL (EP 2,323,399) - Exp. Sep 3, 2024
NL (EP 2,451,161) - Exp. Sep 3, 2024
NL (EP 2,466,894) - Exp. Sep 3, 2024

NL (EP 2,466,895) - Exp. Sep 3, 2024
SE (EP 1,656,793) - Exp. Sep 3, 2024
SE (EP 1,661,387) - Exp. Sep 2, 2024
SE (EP 1,665,761) - Exp. Sep 3, 2024
US 7,092,576 - Exp. Oct 22, 2024
US 7,099,515 - Exp. Sep 1, 2024
US 7,110,459
US 7,116,831
US 7,120,197
US 7,162,093
US 7,200,275
US 7,242,713
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US 7,499,495
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US 7,529,302
US 7,567,617
US 7,577,198
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US 7,609,762
US 7,609,763
US 7,609,767
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US 7,664,177
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US 7,738,554
US 7,782,954
US 7,822,123
US 7,830,963
US 7,839,930
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US 7,961,786
US 8,009,739
US 8,014,450
US 8,085,844
US 8,107,531
US 8,116,380
US 8,218,624
US 8,243,820
US 8,345,754
US 8,625,669
US 8,625,680
US 8,687,709
US 8,817,868
US 8,917,768
US 9,071,847
US 9,313,509 - Exp. Oct 7, 2024
US 9,479,796 - Exp. Oct 5, 2024

Panasonic Holdings Corporation

BR PI0205988-6
US 7,929,616
US 7,944,977
US 7,961,793
US 8,184,722

Samsung Electronics Co., Ltd.

BR 9816272
US 7,561,623
US 8,208,749
US 8,948,268

Siemens AG

BR PI0109962-0
CN 101099388

Expired Patents

AT&T Intellectual Property II, L.P.

CA 2,215,712 - Exp. Sep 17, 2017
CA 2,227,487 - Exp. Jan 20, 2018
DE (EP 0 831 660) - Exp. Sep 22, 2017
FR (EP 0 831 660) - Exp. Sep 22, 2017
GB (EP 0 831 660) - Exp. Sep 22, 2017
JP 4,166,305 - Exp. Sep 22, 2017
JP 4,166,805 - Exp. Sep 22, 2017
JP 4,166,806 - Exp. Sep 22, 2017
JP 5,209,394 - Exp. Sep 22, 2017
MX 207,180 - Exp. Feb 12, 2018
US 6,005,622 - Exp. Aug 10, 2017
US 6,341,144 - Exp. Aug 10, 2017
US 6,556,625 - Exp. Aug 10, 2017
US 7,092,445 - Exp. Aug 10, 2017
US 7,646,809 - Exp. Nov 5, 2019
US 7,974,346 - Exp. Aug 10, 2017

Dolby International AB

CA 2,454,867 - Exp. Sep 11, 2022
CA 2,925,141 - Exp. Sep 11, 2022
CA 2,989,854 - Exp. Sep 11, 2022
CA 2,989,883 - Exp. Sep 11, 2022
CN 02817995.1 - Exp. Sep 11, 2022
CN 100542042 - Exp. Apr 13, 2023
DE (EP 1,500,197) - Exp. Apr 14, 2023
DE (EP 1,727,373) - Exp. Mar 20, 2022
DE (EP 2,124,453) - Exp. Mar 20, 2022
DE (EP 2,278,813) - Exp. Mar 20, 2022
DE (EP 2,278,814) - Exp. Mar 20, 2022
DE (EP 2,278,815) - Exp. Mar 20, 2022
ES (EP 1,500,197) - Exp. Apr 14, 2023
FR (EP 1,500,197) - Exp. Apr 14, 2023
FR (EP 1,727,373) - Exp. Mar 20, 2022
FR (EP 2,124,453) - Exp. Mar 20, 2022
FR (EP 2,278,813) - Exp. Mar 20, 2022
FR (EP 2,278,814) - Exp. Mar 20, 2022
FR (EP 2,278,815) - Exp. Mar 20, 2022
GB (EP 1,500,197) - Exp. Apr 14, 2023
GB (EP 1,727,373) - Exp. Mar 20, 2022
GB (EP 2,124,453) - Exp. Mar 20, 2022
GB (EP 2,278,813) - Exp. Mar 20, 2022
GB (EP 2,278,814) - Exp. Mar 20, 2022

GB (EP 2,278,815) - Exp. Mar 20, 2022
HK 1,070,223 - Exp. Sep 11, 2022
HK 1,134,615 - Exp. Mar 19, 2022
HK 1149663 - Exp. Mar 19, 2022
HK 1149664 - Exp. Mar 19, 2022
HK 1153596 - Exp. Mar 19, 2022
IN 259767 - Exp. Apr 13, 2023
IT (EP 1,500,197) - Exp. Apr 14, 2023
JP 2,951,861 - Exp. Mar 10, 2009
JP 3,277,116 - Exp. Mar 18, 2016
JP 3,654,664 - Exp. Aug 23, 2014
JP 3,688,248 - Exp. Mar 15, 2022
JP 3,702,178 - Exp. Oct 12, 2015
JP 4,094,019 - Exp. Sep 11, 2022
JP 4,245,587 - Exp. Aug 23, 2014
JP 4,372,197 - Exp. Sep 11, 2022
JP 4,427,553 - Exp. Mar 18, 2016
JP 4,565,010 - Exp. Mar 15, 2022
JP 4,666,411 - Exp. Mar 15, 2022
JP 4,666,413 - Exp. Mar 15, 2022
JP 4,666,414 - Exp. Mar 15, 2022
JP 4,672,074 - Exp. Sep 11, 2022
JP 4,672,078 - Exp. Sep 11, 2022
JP 4,717,136 - Exp. Mar 15, 2022
JP 4,723,024 - Exp. Mar 15, 2022
JP 4,723,025 - Exp. Mar 15, 2022
JP 4,723,026 - Exp. Mar 15, 2022
JP 4,723,027 - Exp. Mar 15, 2022
KR 612,785 - Exp. Sep 11, 2022
KR 785,588 - Exp. Sep 11, 2022
KR 785,589 - Exp. Sep 11, 2022
MX 249,051 - Exp. Apr 14, 2023
MY 135724 - Exp. Apr 30, 2023
TH 41839 - Exp. Apr 24, 2023
TR (EP 1,500,197) - Exp. Apr 14, 2023

Dolby Laboratories Licensing Corporation

AU 2003247759 - Exp. Jun 27, 2023
AU 2011218757 - Exp. Jun 27, 2023
AU 2012201353 - Exp. Jun 27, 2023
AU 2012202740 - Exp. Jun 27, 2023
CA 2,406,459 - Exp. Apr 6, 2021
CN 102256136B - Exp. Jun 26, 2023
HK 1,159,916 - Exp. Jun 26, 2023
KH/GRRP/00006 - Exp. Jun 27, 2023
MO J/002762 - Exp. Jun 26, 2023

MY142934 - Exp. Jun 28, 2023
MY 182370-A - Exp. Jun 28, 2023
SG 108377 - Exp. Jun 26, 2023
US Re. 43,360 - Exp. May 22, 2018
US Re. 43,628 - Exp. Dec 25, 2021
US Re. 44,235 - Exp. May 22, 2018
US Re. 44,497 - Exp. Dec 25, 2021
US Re. 45,082 - Exp. May 22, 2018
US Re. 45,250 - Exp. Dec 25, 2021
US 5,987,181 - Exp. Oct 7, 2016
US 6,681,050 - Exp. Oct 7, 2016
US 6,687,409 - Exp. Oct 7, 2016
US 6,728,317 - Exp. Jan 29, 2016
US 7,167,590 - Exp. Oct 7, 2016
US 7,194,136 - Exp. Oct 7, 2016
US 7,266,150 - Exp. Feb 4, 2023
US 7,340,102 - Exp. Oct 7, 2016
US 7,352,812 - Exp. Jan 15, 2023
US 7,787,542 - Exp. Feb 28, 2023
US 8,040,957 - Exp. Sep 13, 2021
US 8,111,754 - Exp. Jul 10, 2021
US 8,249,158 - Exp. Jul 10, 2021
US 9,344,730 - Exp. Sep 13, 2021
US 9,407,913 - Exp. Sep 13, 2021
US 9,407,914 - Exp. Sep 13, 2021
US 9,788,012 - Exp. Jul 10, 2021

Fujitsu Limited

CA 2,029,320 - Exp. Nov 5, 2010
DE (EP 0431319) - Exp. Nov 5, 2010
FR (EP 0431319) - Exp. Nov 5, 2010
GB (EP 0431319) - Exp. Nov 5, 2010
JP 2,787,599 - Exp. Nov 6, 2009
JP 4,142,180 - Exp. Oct 29, 2018
JP 4,184,388 - Exp. Oct 29, 2018
JP 4,184,389 - Exp. Oct 29, 2018
US 5,235,618 - Exp. Nov 5, 2010
US 6,282,243 - Exp. Nov 17, 2017
US 7,272,182 - Exp. Jul 6, 2019
US 7,310,372 - Exp. Jul 6, 2019
US 7,924,924 - Exp. Jul 6, 2019
US 8,184,708 - Exp. Feb 16, 2020
US 8,340,184 - Exp. Jul 6, 2019
US 8,345,759 - Exp. Jul 6, 2019
US 8,428,138 - Exp. Jul 6, 2019
US 8,553,780 - Exp. Jul 6, 2019
US 8,599,923 - Exp. Jul 6, 2019

US 8,654,856 - Exp. Jul 6, 2019

Hitachi, Ltd.

CN 00120208.1 - Exp. Jun 8, 2018
CN 200310113824.1 - Exp. Jun 8, 2018
CN 200310113825.6 - Exp. Jun 8, 2018
CN 200510055880.3 - Exp. Jun 8, 2018
CN 200510055881.8 - Exp. Jun 8, 2018
DE (EP 884,912) - Exp. Jun 8, 2018
DE (EP 1,237,376) - Exp. Jun 8, 2018
DE (EP 1,237,377) - Exp. Jun 8, 2018
DE (EP 2,271,116) - Exp. Jun 8, 2018
DE (EP 2,288,164) - Exp. Jun 8, 2018
ES (EP 884,912) - Exp. Jun 8, 2018
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ES (EP 1,237,377) - Exp. Jun 8, 2018
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FR (EP 2,271,116) - Exp. Jun 8, 2018
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GB (EP 1,237,377) - Exp. Jun 8, 2018
GB (EP 2,271,116) - Exp. Jun 8, 2018
GB (EP 2,288,164) - Exp. Jun 8, 2018
IT (EP 884,912) - Exp. Jun 8, 2018
IT (EP 1,237,376) - Exp. Jun 8, 2018
IT (EP 1,237,377) - Exp. Jun 8, 2018
IT (EP 2,271,116) - Exp. Jun 8, 2018
IT (EP 2,288,164) - Exp. Jun 8, 2018
JP 3,092,610 - Exp. Jun 9, 2018
JP 3,092,613 - Exp. Jun 9, 2018
JP 5,257,544 - Exp. Jun 9, 2018
JP 5,257,545 - Exp. Jun 9, 2018
JP 5,376,083 - Exp. Jun 9, 2018
JP 5,392,434 - Exp. Jun 9, 2018
KR 393,123 - Exp. Jun 8, 2018
KR 400,537 - Exp. Jun 8, 2018
NL (EP 884,912) - Exp. Jun 8, 2018

NL (EP 1,237,376) - Exp. Jun 8, 2018
NL (EP 1,237,377) - Exp. Jun 8, 2018
NL (EP 2,271,116) - Exp. Jun 8, 2018
NL (EP 2,288,164) - Exp. Jun 8, 2018
SE (EP 884,912) - Exp. Jun 8, 2018
SE (EP 1,237,376) - Exp. Jun 8, 2018
SE (EP 1,237,377) - Exp. Jun 8, 2018
SE (EP 2,271,116) - Exp. Jun 8, 2018
SE (EP 2,288,164) - Exp. Jun 8, 2018
TW 122869 - Exp. Jul 3, 2018
TW 465227 - Exp. Jul 3, 2018
US 6,584,227 - Exp. Jun 7, 2018
US 6,650,781 - Exp. Jun 7, 2018
US 8,406,544 - Exp. Jun 7, 2018
US 8,611,682 - Exp. Jun 7, 2018
US 8,891,890 - Exp. Jun 7, 2018

JVCKENWOOD Corporation

CN 98116693.8 - Exp. Jul 27, 2018
DE (EP 0379217) - Exp. Jan 19, 2010
DE (EP 0572046) - Exp. Jan 19, 2010
DE (EP 0584840) - Exp. Apr 27, 2010
DE (EP 0895425) - Exp. Jul 27, 2018
DE (EP 0967807) - Exp. May 24, 2019
FR (EP 0379217) - Exp. Jan 19, 2010
FR (EP 0572046) - Exp. Jan 19, 2010
FR (EP 0584840) - Exp. Apr 27, 2010
FR (EP 0895425) - Exp. Jul 27, 2018
FR (EP 0967807) - Exp. May 24, 2019
GB (EP 0379217) - Exp. Jan 19, 2010
GB (EP 0572046) - Exp. Jan 19, 2010
GB (EP 0584840) - Exp. Apr 27, 2010
GB (EP 0895425) - Exp. Jul 27, 2018
GB (EP 0967807) - Exp. May 24, 2019
JP 2,072,631 - Exp. Jan 20, 2010
JP 2,137,325 - Exp. Apr 27, 2009
JP 2,530,217 - Exp. Jan 20, 2009
JP 2,897,763 - Exp. Jul 28, 2017
JP 3,060,376 - Exp. Aug 30, 2011
NL (EP 0584840) - Exp. Apr 27, 2010
US Re. 34,965 - Exp. Jan 17, 2010
US Re. 35,158 - Exp. Jan 17, 2010
US 5,103,307 - Exp. Jan 17, 2011

Koninklijke Philips N.V.

AT (EP 0260748) - Exp. Sep 10, 2007

AT (EP 0359334) - Exp. Sep 11, 2009
AT (EP 0460751) - Exp. Jun 3, 2011
AU 634173 - Exp. Sep 14, 2009
AU 641,726 - Exp. Feb 20, 2011
BE (EP 0359334) - Exp. Sep 11, 2009
BE (EP 0460751) - Exp. Jun 3, 2011
CA 2,036,585 - Exp. Feb 19, 2011
CA 2,304,917 - Exp. Jun 1, 2010
CH (EP 0359334) - Exp. Sep 11, 2009
CN 1011459 - Exp. Sep 12, 2007
CN 1013425 - Exp. Mar 7, 2008
CN 1018695 - Exp. Sep 13, 2009
DE (EP 0260748) - Exp. Sep 10, 2007
DE (EP 0282135) - Exp. Mar 4, 2008
DE (EP 0290085) - Exp. Apr 27, 2008
DE (EP 0359334) - Exp. Sep 11, 2009
DE (EP 0443676) - Exp. Feb 18, 2011
DE (EP 0460751) - Exp. Jun 3, 2011
DK (EP 0443676) - Exp. Feb 18, 2011
DK (EP 0460751) - Exp. Jun 3, 2011
ES (EP 0359334) - Exp. Sep 11, 2009
FI 92127 - Exp. Sep 13, 2009
FI 101442 - Exp. Feb 19, 2011
FR (EP 0260748) - Exp. Sep 10, 2007
FR (EP 0282135) - Exp. Mar 4, 2008
FR (EP 0290085) - Exp. Apr 27, 2008
FR (EP 0359334) - Exp. Sep 11, 2009
FR (EP 0443676) - Exp. Feb 18, 2011
FR (EP 0460751) - Exp. Jun 3, 2011
GB (EP 0260748) - Exp. Sep 10, 2007
GB (EP 0282135) - Exp. Mar 4, 2008
GB (EP 0290085) - Exp. Apr 27, 2008
GB (EP 0359334) - Exp. Sep 11, 2009
GB (EP 0443676) - Exp. Feb 18, 2011
GB (EP 0460751) - Exp. Jun 3, 2011
GR (EP 0359334) - Exp. Sep 11, 2009
HK 0960615 - Exp. Feb 18, 2011
IT (EP 0260748) - Exp. Sep 10, 2007
IT (EP 0282135) - Exp. Mar 4, 2008
IT (EP 0359334) - Exp. Sep 11, 2009
IT (EP 0443676) - Exp. Feb 18, 2011
IT (EP 0460751) - Exp. Jun 3, 2011
JP 2,534,534 - Exp. Mar 3, 2008
JP 2,630,809 - Exp. May 6, 2008
JP 2,711,665 - Exp. Sep 14, 2007
JP 2,791,822 - Exp. Jun 2, 2010
JP 2,961,131 - Exp. Sep 14, 2009
JP 3,162,110 - Exp. Jun 4, 2011

JP 3,174,586 - Exp. Feb 20, 2011
KR 114,697 - Exp. Jan 8, 2012
KR 118,698 - Exp. Apr 17, 2012
KR 153,275 - Exp. Jul 2, 2013
KR 239,837 - Exp. Jun 4, 2011
LI (EP 0359334) - Exp. Sep 11, 2009
LU (EP 0359334) - Exp. Sep 11, 2009
NL (EP 0260748) - Exp. Sep 10, 2007
NL (EP 0359334) - Exp. Sep 11, 2009
NL (EP 0443676) - Exp. Feb 18, 2011
NL (EP 0460751) - Exp. Jun 3, 2011
SE (EP 0260748) - Exp. Sep 10, 2007
SE (EP 0359334) - Exp. Sep 11, 2009
SE (EP 0443676) - Exp. Feb 18, 2011
SE (EP 0460751) - Exp. Jun 3, 2011
SG 9690467.7 - Exp. Feb 18, 2011
TW 35350 - Exp. Sep 22, 2007
US 4,849,812 - Exp. Feb 23, 2008
US 4,901,075 - Exp. Sep 10, 2007
US 5,021,879 - Exp. Jun 3, 2008
US 5,027,206 - Exp. Sep 12, 2009
US 5,128,758 - Exp. Jul 6, 2009
US 5,179,442 - Exp. Jan 11, 2010
US 5,606,539 - Exp. Feb 24, 2014
US 5,608,697 - Exp. Jun 4, 2011
US 5,699,476 - Exp. Oct 18, 2010
US 5,740,310 - Exp. Apr 13, 2015
US 5,844,867 - Exp. Jun 4, 2011

Microsoft Corporation

AT (EP 1135934) - Exp. Nov 30, 2019
AT (EP 1,753,244) - Exp. Jan 22, 2023
AT (EP 1,863,295) - Exp. Nov 30, 2019
BE (EP 1135934) - Exp. Nov 30, 2019
BE (EP 1,457,056) - Exp. Dec 16, 2022
BE (EP 1,746,844) - Exp. Aug 27, 2022
BE (EP 1,753,244) - Exp. Jan 22, 2023
BE (EP 1,753,248) - Exp. Aug 27, 2022
BE (EP 1,863,295) - Exp. Nov 30, 2019
CA 2,316,848 - Exp. Sep 30, 2018
CH (EP 1135934) - Exp. Nov 30, 2019
CH (EP 1,753,244) - Exp. Jan 22, 2023
CH (EP 1,863,295) - Exp. Nov 30, 2019
CN 1262916 - Exp. Apr 30, 2023
CN 1280709 - Exp. Apr 30, 2023
CN 1455349 - Exp. Apr 10, 2023
CN 1456992 - Exp. Apr 10, 2023

CN 02143213.9 - Exp. Sep 19, 2022
CN 02825191.1 - Exp. Dec 16, 2022
CN 03124169.7 - Exp. Apr 29, 2023
CN 03811662.6 - Exp. Apr 18, 2023
CN 100362510 - Exp. Apr 10, 2023
CN 100390777 - Exp. Apr 10, 2023
CN 102316320 - Exp. Dec 15, 2022
CN 200610079930.6 - Exp. Sep 19, 2022
CN 200810176684.5 - Exp. Dec 15, 2022
CZ (EP 1,457,056) - Exp. Dec 16, 2022
CZ (EP 1,746,844) - Exp. Aug 27, 2022
CZ (EP 1,753,248) - Exp. Aug 27, 2022
DE (EP 1135934) - Exp. Nov 30, 2019
DE (EP 1,298,938) - Exp. Aug 27, 2022
DE (EP 1,353,513) - Exp. Mar 27, 2023
DE (EP 1,353,514) - Exp. Mar 27, 2023
DE (EP 1,359,763) - Exp. Mar 27, 2023
DE (EP 1,359,764) - Exp. Apr 14, 2023
DE (EP 1,359,765) - Exp. Apr 15, 2023
DE (EP 1359768) - Exp. Mar 27, 2023
DE (EP 1,359,770) - Exp. Apr 15, 2023
DE (EP 1,457,056) - Exp. Dec 16, 2022
DE (EP 1468567) - Exp. Jan 22, 2023
DE (EP 1,746,844) - Exp. Aug 27, 2022
DE (EP 1,753,244) - Exp. Jan 22, 2023
DE (EP 1,753,248) - Exp. Aug 27, 2022
DE (EP 1,863,295) - Exp. Nov 30, 2019
DE (EP 2,262,269) - Exp. Dec 16, 2022
DK (EP 1135934) - Exp. Nov 30, 2019
DK (EP 1,753,244) - Exp. Jan 22, 2023
DK (EP 1,863,295) - Exp. Nov 30, 2019
ES (EP 1135934) - Exp. Nov 30, 2019
ES (EP 1,298,938) - Exp. Aug 27, 2022
ES (EP 1,353,513) - Exp. Mar 27, 2023
ES (EP 1,353,514) - Exp. Mar 27, 2023
ES (EP 1,359,763) - Exp. Mar 27, 2023
ES (EP 1,359,764) - Exp. Apr 14, 2023
ES (EP 1359768) - Exp. Mar 27, 2023
ES (EP 1,457,056) - Exp. Dec 16, 2022
ES (EP 1,746,844) - Exp. Aug 27, 2022
ES (EP 1,753,244) - Exp. Jan 22, 2023
ES (EP 1,753,248) - Exp. Aug 27, 2022
ES (EP 1,863,295) - Exp. Nov 30, 2019
ES (EP 2,262,269) - Exp. Dec 16, 2022
FI (EP 1135934) - Exp. Nov 30, 2019
FI (EP 1,753,244) - Exp. Jan 22, 2023

FI (EP 1,863,295) - Exp. Nov 30, 2019
FR (EP 1135934) - Exp. Nov 30, 2019
FR (EP 1,298,938) - Exp. Aug 27, 2022
FR (EP 1,353,513) - Exp. Mar 27, 2023
FR (EP 1,353,514) - Exp. Mar 27, 2023
FR (EP 1,359,763) - Exp. Mar 27, 2023
FR (EP 1,359,764) - Exp. Apr 14, 2023
FR (EP 1,359,765) - Exp. Apr 15, 2023
FR (EP 1359768) - Exp. Mar 27, 2023
FR (EP 1,359,770) - Exp. Apr 15, 2023
FR (EP 1,457,056) - Exp. Dec 16, 2022
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FR (EP 1,746,844) - Exp. Aug 27, 2022
FR (EP 1,753,244) - Exp. Jan 22, 2023
FR (EP 1,753,248) - Exp. Aug 27, 2022
FR (EP 1,863,295) - Exp. Nov 30, 2019
FR (EP 2,262,269) - Exp. Dec 16, 2022
GB (EP 1135934) - Exp. Nov 30, 2019
GB (EP 1,298,938) - Exp. Aug 27, 2022
GB (EP 1,353,513) - Exp. Mar 27, 2023
GB (EP 1,353,514) - Exp. Mar 27, 2023
GB (EP 1,359,763) - Exp. Mar 27, 2023
GB (EP 1,359,764) - Exp. Apr 14, 2023
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GB (EP 1359768) - Exp. Mar 27, 2023
GB (EP 1,359,770) - Exp. Apr 15, 2023
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GB (EP 1,753,244) - Exp. Jan 22, 2023
GB (EP 1,753,248) - Exp. Aug 27, 2022
GB (EP 1,863,295) - Exp. Nov 30, 2019
GB (EP 2,262,269) - Exp. Dec 16, 2022
GR (EP 1,753,244) - Exp. Jan 22, 2023
HK 1,053,034 - Exp. Aug 26, 2022
HK 1059856 - Exp. Mar 27, 2023
HK 1059857 - Exp. Mar 27, 2023
HK 1060241 - Exp. Mar 27, 2023
HK 1060242 - Exp. Mar 27, 2023
HK 1060243 - Exp. Apr 14, 2023
HK 1,060,244 - Exp. Apr 14, 2023
HK 1,060,464 - Exp. Apr 14, 2023
HK 1069701 - Exp. Jan 22, 2023
HK 1,103,199 - Exp. Jan 22, 2023
HK 1115966 - Exp. Nov 30, 2019
HK 1,133,140 - Exp. Dec 15, 2022
HK 1,164,594 - Exp. Dec 15, 2022
IE (EP 1,753,244) - Exp. Jan 22, 2023

IN 260152 - Exp. Dec 15, 2022
IN 308989 - Exp. Dec 15, 2022
IT (EP 1135934) - Exp. Nov 30, 2019
IT (EP 1,298,938) - Exp. Aug 27, 2022
IT (EP 1,353,513) - Exp. Mar 27, 2023
IT (EP 1,353,514) - Exp. Mar 27, 2023
IT (EP 1,359,763) - Exp. Mar 27, 2023
IT (EP 1,359,764) - Exp. Apr 14, 2023
IT (EP 1359768) - Exp. Mar 27, 2023
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IT (EP 1,753,248) - Exp. Aug 27, 2022
IT (EP 1,863,295) - Exp. Nov 30, 2019
IT (EP 2,262,269) - Exp. Dec 16, 2022
JP 3,689,334 - Exp. Sep 30, 2018
JP 4,077,354 - Exp. Apr 10, 2023
JP 4,199,973 - Exp. Sep 19, 2022
JP 4,249,790 - Exp. May 6, 2023
JP 4,425,561 - Exp. Apr 25, 2023
JP 4,425,563 - Exp. May 6, 2023
JP 4,448,334 - Exp. Apr 18, 2023
JP 4,489,794 - Exp. Sep 19, 2022
JP 4,545,388 - Exp. May 6, 2023
JP 4,610,195 - Exp. Dec 16, 2022
JP 4,625,240 - Exp. Apr 10, 2023
JP 4,625,411 - Exp. Nov 30, 2019
JP 4,673,758 - Exp. Nov 30, 2019
JP 4,703,114 - Exp. Jan 22, 2023
JP 4,762,486 - Exp. Sep 1, 2023
JP 4,918,119 - Exp. Jan 22, 2023
JP 5,442,568 - Exp. Dec 16, 2022
JP 5,819,347 - Exp. Dec 16, 2022
KR 578,432 - Exp. Apr 28, 2023
KR 578,433 - Exp. Apr 28, 2023
KR 593,344 - Exp. Apr 9, 2023
KR 635,410 - Exp. Apr 9, 2023
KR 643,819 - Exp. Apr 28, 2023
KR 681,971 - Exp. Apr 9, 2023
KR 681,972 - Exp. Apr 9, 2023
KR 895,932 - Exp. Apr 18, 2023
KR 925,968 - Exp. Dec 16, 2022
KR 947,162 - Exp. Sep 16, 2022
KR 965,704 - Exp. May 1, 2023
KR 999,311 - Exp. Sep 16, 2022
LI (EP 1135934) - Exp. Nov 30, 2019
LI (EP 1,753,244) - Exp. Jan 22, 2023

LI (EP 1,863,295) - Exp. Nov 30, 2019
NL (EP 1135934) - Exp. Nov 30, 2019
NL (EP 1,298,938) - Exp. Aug 27, 2022
NL (EP 1,359,765) - Exp. Apr 15, 2023
NL (EP 1,359,770) - Exp. Apr 15, 2023
NL (EP 1,457,056) - Exp. Dec 16, 2022
NL (EP 1,746,844) - Exp. Aug 27, 2022
NL (EP 1,753,244) - Exp. Jan 22, 2023
NL (EP 1,753,248) - Exp. Aug 27, 2022
NL (EP 1,863,295) - Exp. Nov 30, 2019
NL (EP 2,262,269) - Exp. Dec 16, 2022
PT (EP 1135934) - Exp. Nov 30, 2019
PT (EP 1,753,244) - Exp. Jan 22, 2023
PT (EP 1,863,295) - Exp. Nov 30, 2019
SE (EP 1135934) - Exp. Nov 30, 2019
SE (EP 1,457,056) - Exp. Dec 16, 2022
SE (EP 1,746,844) - Exp. Aug 27, 2022
SE (EP 1,753,244) - Exp. Jan 22, 2023
SE (EP 1,753,248) - Exp. Aug 27, 2022
SE (EP 1,863,295) - Exp. Nov 30, 2019
TR (EP 1,753,244) - Exp. Jan 22, 2023
TW I310137 - Exp. Apr 17, 2023
US 6,563,953 - Exp. Nov 29, 2018
US 6,735,345 - Exp. Jan 12, 2019
US 7,054,494 - Exp. Oct 24, 2019
US 7,127,114 - Exp. Nov 29, 2018
US 7,379,607 - Exp. Dec 15, 2022
US 7,408,990 - Exp. Mar 15, 2020
US 7,555,167 - Exp. Jan 5, 2023
US 7,593,466 - Exp. Dec 12, 2022
US 7,646,816 - Exp. Feb 2, 2024
US 7,839,895 - Exp. Mar 31, 2023
US 8,428,374 - Exp. Dec 15, 2022
US 8,781,240 - Exp. Dec 15, 2022
US 8,855,202 - Exp. May 26, 2024
US 9,456,216 - Exp. Dec 16, 2022
US 10,063,863 - Exp. Dec 5, 2023
US 10,158,879 - Exp. Dec 16, 2022
US 10,368,065 - Exp. Dec 15, 2022
US 10,390,037 - Exp. Dec 16, 2022
US 10,531,117 - Exp. Dec 16, 2022
US 10,554,985 - Exp. Jul 17, 2023
US 10,567,753 - Exp. Dec 15, 2022
US 10,567,791 - Exp. Dec 16, 2022
US 10,659,793 - Exp. Jul 17, 2023
US 10,687,075 - Exp. Dec 16, 2022
US 10,924,749 - Exp. Jul 16, 2024
US 10,931,967 - Exp. Dec 16, 2022

US 10,958,916 - Exp. Jul 16, 2024
US 10,958,917 - Exp. Jul 16, 2024
US 11,070,823 - Exp. Jul 16, 2024
US 11,089,311 - Exp. Mar 2, 2023
US 11,245,910 - Exp. Jul 16, 2024
US 11,272,194 - Exp. Jul 16, 2024
US 11,356,678 - Exp. Jul 16, 2024
US 11,451,794 - Exp. Mar 2, 2023
US 11,570,451 - Exp. Jul 16, 2024
US 11,575,913 - Exp. Jul 16, 2024
US 11,638,017 - Exp. Jul 16, 2024
US 11,638,018 - Exp. Jul 16, 2024
US 11,671,608 - Exp. Jul 16, 2024
US 11,671,609 - Exp. Jul 16, 2024
US 11,677,964 - Exp. Jul 16, 2024

Mitsubishi Electric Corporation

AU 625,476 - Exp. Aug 20, 2010
BE (EP 1,091,589) - Exp. Oct 21, 2012
CA 2,023,543 - Exp. Aug 17, 2010
CA 2,065,803 - Exp. Apr 10, 2012
CA 2,327,489 - Exp. Oct 21, 2012
CH (EP 1,091,589) - Exp. Oct 21, 2012
CN 200610099668.1 - Exp. Jun 23, 2023
CN 200610099669.6 - Exp. Jun 24, 2023
CN 200810086603.2 - Exp. Mar 5, 2018
DE (EP 0414193) - Exp. Aug 20, 2010
DE (EP 1,091,589) - Exp. Oct 21, 2012
DK (EP 1,091,589) - Exp. Oct 21, 2012
ES (EP 1,091,589) - Exp. Oct 21, 2012
FI 98,421 - Exp. Aug 21, 2010
FI 117,418 - Exp. Apr 10, 2012
FI (EP 1,091,589) - Exp. Oct 19, 2012
FR (EP 0414193) - Exp. Aug 20, 2010
FR (EP 1,091,589) - Exp. Oct 21, 2012
GB (EP 0414193) - Exp. Aug 20, 2010
GB (EP 1,091,589) - Exp. Oct 21, 2012
HK 1,008,129 - Exp. Aug 20, 2010
HK 1,035,289 - Exp. Oct 21, 2012
HK 1125523 - Exp. Mar 6, 2018
IT (EP 0414193) - Exp. Aug 20, 2010
IT (EP 1,091,589) - Exp. Oct 21, 2012
JP 2,128,624 - Exp. Aug 21, 2009
JP 2,924,430 - Exp. Apr 1, 2012
JP 4,364,919 - Exp. Oct 23, 2017

JP 4,588,795 - Exp. Mar 6, 2018
JP 4,708,263 - Exp. Mar 6, 2018
KR 77,808 - Exp. Aug 20, 2010
LI (EP 1,091,589) - Exp. Oct 21, 2012
MX 297,575 - Exp. Mar 6, 2018
NL (EP 0414193) - Exp. Aug 20, 2010
NL (EP 1,091,589) - Exp. Oct 21, 2012
NO 306,749 - Exp. Aug 21, 2010
NO 307,200 - Exp. Apr 6, 2012
NO 310,850 - Exp. Oct 21, 2012
SE (EP 0414193) - Exp. Aug 20, 2010
SE (EP 1,091,589) - Exp. Oct 21, 2012
SG 45,452 - Exp. Aug 19, 2010
SG 64,870 - Exp. Apr 6, 2012
TW 116,406 - Exp. Oct 22, 2017
US Re. 37,858 - Exp. Jun 26, 2012
US 5,072,295 - Exp. Aug 19, 2010
US 5,970,175 - Exp. Oct 15, 2012
US 5,990,960 - Exp. Oct 15, 2012
US 6,097,759 - Exp. Oct 15, 2012
US 6,188,794 - Exp. Oct 15, 2012
US 6,307,973 - Exp. Oct 15, 2012
US 6,493,385 - Exp. Oct 22, 2017
US 7,876,818 - Exp. Mar 5, 2018

Nippon Telegraph and Telephone Corporation

JP 1,939,084 - Exp. Aug 5, 2005
JP 2,562,499 - Exp. May 29, 2009
JP 2,938,412 - Exp. Sep 2, 2017
US 6,934,331 - Exp. Feb 2, 2019

Orange SA

DE (EP 0248711) - Exp. May 26, 2007
FI 86,241 - Exp. May 28, 2007
FR 2,599,577 - Exp. May 29, 2006
GB (EP 0248711) - Exp. May 26, 2007
IT (EP 0248711) - Exp. May 26, 2007
SE (EP 0248711) - Exp. May 26, 2007
US 4,796,087 - Exp. May 31, 2007

Panasonic Holdings Corporation

AU 612,543 - Exp. Apr 30, 2010
BE (EP 1387585) - Exp. Sep 11, 2022
CA 2,016,523 - Exp. May 10, 2010

CA 2,428,081 - Exp. Sep 11, 2022
CA 2,582,664 - Exp. Sep 11, 2022
CA 2,582,665 - Exp. Sep 11, 2022
CH (EP 0397402) - Exp. May 3, 2010
CN 01139430.7 - Exp. Nov 6, 2017
CN 01139431.5 - Exp. Nov 6, 2017
CN 01139432.3 - Exp. Nov 6, 2017
CN 01139433.1 - Exp. Nov 6, 2017
CN 01139434.X - Exp. Nov 6, 2017
CN 02802938.0 - Exp. Aug 11, 2022
CN 97192067.2 - Exp. Nov 6, 2017
CN 200510054265.0 - Exp. Nov 6, 2017
CN 200510118104.3 - Exp. Aug 11, 2022
CN 200610099798.5 - Exp. Sep 10, 2022
CZ (EP 1387585) - Exp. Sep 11, 2022
DE (EP 0397402) - Exp. May 3, 2010
DE (EP 0873018) - Exp. Nov 6, 2017
DE (EP 1100272) - Exp. Nov 6, 2017
DE (EP 1,100,273) - Exp. Nov 6, 2017
DE (EP 1,100,274) - Exp. Nov 6, 2017
DE (EP 1104972) - Exp. Nov 6, 2017
DE (EP 1387585) - Exp. Sep 11, 2022
DE (EP 1,515,567) - Exp. Sep 11, 2022
DE (EP 1,560,439) - Exp. Nov 6, 2017
DE (EP 1,694,076 B1) - Exp. Sep 11, 2022
DK (EP 1387585) - Exp. Sep 11, 2022
ES (EP 0397402) - Exp. May 3, 2010
ES (EP 1387585) - Exp. Sep 11, 2022
ES (EP 1,515,567) - Exp. Sep 11, 2022
ES (EP 1,694,076 B1) - Exp. Sep 11, 2022
FI (EP 1387585) - Exp. Sep 11, 2022
FR (EP 0397402) - Exp. May 3, 2010
FR (EP 0873018) - Exp. Nov 6, 2017
FR (EP 1100272) - Exp. Nov 6, 2017
FR (EP 1,100,273) - Exp. Nov 6, 2017
FR (EP 1,100,274) - Exp. Nov 6, 2017
FR (EP 1104972) - Exp. Nov 6, 2017
FR (EP 1387585) - Exp. Sep 11, 2022
FR (EP 1,515,567) - Exp. Sep 11, 2022
FR (EP 1,560,439) - Exp. Nov 6, 2017
FR (EP 1,694,076 B1) - Exp. Sep 11, 2022
GB (EP 0397402) - Exp. May 3, 2010
GB (EP 0873018) - Exp. Nov 6, 2017
GB (EP 1100272) - Exp. Nov 6, 2017

GB (EP 1,100,273) - Exp. Nov 6, 2017
GB (EP 1,100,274) - Exp. Nov 6, 2017
GB (EP 1104972) - Exp. Nov 6, 2017
GB (EP 1387585) - Exp. Sep 11, 2022
GB (EP 1,515,567) - Exp. Sep 11, 2022
GB (EP 1,560,439) - Exp. Nov 6, 2017
GB (EP 1,694,076 B1) - Exp. Sep 11, 2022
GR (EP 1,515,567) - Exp. Sep 11, 2022
ID 22337 - Exp. Sep 11, 2022
ID 24650 - Exp. Sep 11, 2022
IE (EP 1387585) - Exp. Sep 11, 2022
IN 244365 - Exp. Sep 11, 2022
IN 279828 - Exp. Sep 10, 2022
IT (EP 0397402) - Exp. May 3, 2010
IT (EP 1387585) - Exp. Sep 11, 2022
IT (EP 1,515,567) - Exp. Sep 11, 2022
IT (EP 1,694,076 B1) - Exp. Sep 11, 2022
JP 2,695,244 - Exp. Jun 29, 2009
JP 2,828,095 - Exp. Jun 29, 2009
JP 3,103,383 - Exp. Nov 5, 2017
JP 3,135,061 - Exp. Nov 5, 2017
JP 3,135,062 - Exp. Nov 5, 2017
JP 3,743,960 - Exp. Nov 6, 2017
JP 3,743,961 - Exp. Nov 6, 2017
JP 3,743,962 - Exp. Nov 5, 2017
KR 318,055 - Exp. Nov 6, 2017
KR 318,057 - Exp. Nov 6, 2017
KR 318,058 - Exp. Nov 6, 2017
KR 318,059 - Exp. Nov 6, 2017
KR 402,541 - Exp. Nov 6, 2017
KR 557,911 - Exp. Aug 12, 2022
KR 656,296 - Exp. Sep 11, 2022
KR 743,818 - Exp. Sep 11, 2022
KR 747,958 - Exp. Aug 12, 2022
KR 804,902 - Exp. Sep 11, 2022
KR 845,067 - Exp. Sep 11, 2022
LI (EP 0397402) - Exp. May 3, 2010
MX 239386 - Exp. May 8, 2023
MX 269288 - Exp. Sep 11, 2022
NL (EP 0397402) - Exp. May 3, 2010
NL (EP 0873018) - Exp. Nov 6, 2017
NL (EP 1100272) - Exp. Nov 6, 2017
NL (EP 1,100,273) - Exp. Nov 6, 2017
NL (EP 1,100,274) - Exp. Nov 6, 2017
NL (EP 1104972) - Exp. Nov 6, 2017
NL (EP 1387585) - Exp. Sep 11, 2022

NL (EP 1,515,567) - Exp. Sep 11, 2022
NL (EP 1,560,439) - Exp. Nov 6, 2017
NL (EP 1,694,076 B1) - Exp. Sep 11, 2022
SE (EP 0397402) - Exp. May 3, 2010
SE (EP 1387585) - Exp. Sep 11, 2022
SE (EP 1,515,567) - Exp. Sep 11, 2022
SG 102016 - Exp. Nov 5, 2017
TR (EP 1387585) - Exp. Sep 11, 2022
TR (EP 1,515,567) - Exp. Sep 11, 2022
TW 106,082 - Exp. Nov 5, 2017
US Re. 35,910 - Exp. May 10, 2010
US 5,223,949 - Exp. Apr 16, 2012
US 6,345,123 - Exp. Nov 5, 2017
US 6,349,149 - Exp. Nov 5, 2017
US 6,404,929 - Exp. Nov 5, 2017
US 6,490,372 - Exp. Nov 5, 2017
US 6,556,717 - Exp. Nov 5, 2017
US 6,574,369 - Exp. Nov 5, 2017
US 7,116,829 - Exp. Nov 5, 2017
US 7,126,989 - Exp. May 3, 2023
US 7,289,670 - Exp. Nov 5, 2017
US 7,379,606 - Exp. Nov 5, 2017
US 7,522,775 - Exp. Nov 5, 2017
US 7,583,731 - Exp. May 3, 2023

Pantech Inc.

KR 303,685 - Exp. Sep 26, 2017
KR 413,979 - Exp. Jul 15, 2016
KR 679,787 - Exp. Jun 27, 2018
US 6,215,905 - Exp. Sep 29, 2017

Samsung Electronics Co., Ltd.

BR 9816269 - Exp. Nov 27, 2022
CA 2,440,007 - Exp. Jun 18, 2018
CA 2,440,013 - Exp. Jun 18, 2018
CA 2,830,878 - Exp. Jun 18, 2018
CA 2876329 - Exp. Jun 18, 2018
CN 00108368.6 - Exp. Dec 16, 2014
CN 03104409.3 - Exp. Jun 18, 2018
CN 03107665.3 - Exp. Nov 30, 2018
CN 03107666.1 - Exp. Nov 30, 2018
CN 03107667.X - Exp. Nov 30, 2018
CN 03801207.3 - Exp. Jun 25, 2023
CN 93106014.1 - Exp. May 18, 2013
CN 98122956.5 - Exp. Nov 30, 2018

CN 200410005357.5 - Exp. Jun 18, 2018
DE (EP 0 580 454) - Exp. Jul 23, 2013
DE (EP 0987899) - Exp. Dec 16, 2014
DE (EP 0987900) - Exp. Dec 16, 2014
FR (EP 0 580 454) - Exp. Jul 23, 2013
FR (EP 0987899) - Exp. Dec 16, 2014
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HK 1008711 - Exp. Jul 23, 2013
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HK 1056286 - Exp. Nov 30, 2018
HK 1056287 - Exp. Nov 30, 2018
HK 1059699 - Exp. Nov 30, 2018
IN 203,511 - Exp. Jun 25, 2023
IN 268596 - Exp. Jan 1, 2023
JP 2,633,793 - Exp. May 31, 2013
JP 2,728,619 - Exp. Apr 26, 2013
JP 3,369,422 - Exp. Jun 22, 2013
JP 3,442,028 - Exp. Jun 22, 2013
JP 3,579,013 - Exp. Dec 1, 2018
KR 83,730 - Exp. Dec 21, 2011
KR 103,834 - Exp. Dec 7, 2011
KR 147,549 - Exp. Feb 28, 2012
KR 148,130 - Exp. May 18, 2012
KR 155,784 - Exp. Dec 15, 2014
KR 157,463 - Exp. Aug 10, 2013
KR 162,196 - Exp. Dec 23, 2011
KR 162,197 - Exp. May 30, 2012
KR 166,715 - Exp. May 18, 2012
KR 178,711 - Exp. Jul 9, 2012
KR 205,293 - Exp. Nov 26, 2016
KR 304,660 - Exp. Nov 8, 2015
KR 313,870 - Exp. Dec 1, 2018
KR 584,549 - Exp. Sep 2, 2022
KR 605,290 - Exp. Sep 2, 2022
KR 665,213 - Exp. Jan 22, 2022
KR 708,202 - Exp. Sep 2, 2022
KR 720,004 - Exp. Jan 22, 2022
KR 720,005 - Exp. Jan 22, 2022
KR 846,778 - Exp. Jul 16, 2022
RU 2072562 - Exp. May 17, 2013
RU 2,276,472 - Exp. Jun 18, 2018
SG 70307 - Exp. Jun 17, 2018
US Re. 39,167 - Exp. Aug 10, 2015
US 5,384,849 - Exp. May 17, 2013

US 5,467,086 - Exp. Jun 17, 2013
US 5,654,706 - Exp. Jul 22, 2013
US 6,680,975 - Exp. Feb 28, 2013
US 7,277,484 - Exp. May 20, 2024
US 7,292,657 - Exp. Feb 28, 2013
US 7,630,437 - Exp. Feb 16, 2023
US 7,801,216 - Exp. Oct 8, 2016
US 8,160,138 - Exp. Feb 16, 2023
US 8,290,039 - Exp. Jan 29, 2023
US 8,295,366 - Exp. Aug 29, 2023
US 8,457,438 - Exp. Jan 29, 2023
US 8,638,864 - Exp. Jun 17, 2018
US 8,699,568 - Exp. Jan 29, 2023
US 8,873,643 - Exp. Jun 17, 2018
US 8,942,296 - Exp. Jun 17, 2018
US 9,060,105 - Exp. Jan 29, 2023
US 9,060,163 - Exp. Jun 17, 2018
US 9,060,181 - Exp. Jun 17, 2018
US 9,077,959 - Exp. Jun 17, 2018
US 9,106,912 - Exp. Jan 5, 2023
US 9,161,059 - Exp. Jan 29, 2023
US 9,258,574 - Exp. Jan 29, 2023
US 9,264,705 - Exp. Jun 17, 2018
US 9,414,075 - Exp. Jan 5, 2023
US 9,467,714 - Exp. Feb 22, 2023
US 9,467,715 - Exp. Jan 29, 2023
US 9,467,716 - Exp. Jan 29, 2023
US 9,467,717 - Exp. Jan 29, 2023
US 9,532,077 - Exp. Jan 29, 2023
US 9,532,078 - Exp. Jan 29, 2023
US 9,532,079 - Exp. Jan 29, 2023
US 9,538,203 - Exp. Jan 29, 2023

Sharp Corporation

DE (EP 2,373,036) - Exp. Jul 26, 2020
FR (EP 2,373,036) - Exp. Jul 26, 2020
GB (EP 2,373,036) - Exp. Jul 26, 2020
HK 1161948 - Exp. Jul 25, 2020
JP 5,269,023 - Exp. Jul 24, 2020
US Re. 44,012 - Exp. Dec 31, 2022
US Re. 45,014 - Exp. Dec 31, 2022
US Re. 46,468 - Exp. Dec 31, 2022

Siemens AG

CA 2406164 - Exp. Apr 9, 2021
CN 1122419 C - Exp. Jun 30, 2019

CN 1204752 - Exp. Apr 8, 2021
DE (EP 1,110,407) - Exp. Jul 1, 2019
DE (EP 1,279,291) - Exp. Apr 9, 2021
DE 10143063 - Exp. Sep 3, 2021
FR (EP 1,110,407) - Exp. Jul 1, 2019
FR (EP 1,279,291) - Exp. Apr 9, 2021
FR 2737931 - Exp. Aug 9, 2016
GB (EP 1,110,407) - Exp. Jul 1, 2019
GB (EP 1,279,291) - Exp. Apr 9, 2021
GB 2304485 - Exp. Aug 15, 2016
IT (EP 1,110,407) - Exp. Jul 1, 2019
RU 2270530 - Exp. Apr 9, 2021
US 6,115,503 - Exp. Jul 2, 2017
US 7,068,721 - Exp. Mar 21, 2022

Sony Group Corporation

AU 669,983 - Exp. Oct 12, 2010
AU 672,812 - Exp. Sep 20, 2013
CN 1,143,545 - Exp. Sep 18, 2013
CN 1225919 - Exp. Nov 29, 2022
DE (EP 0424026) - Exp. Oct 11, 2010
DE (EP 0456433) - Exp. May 3, 2011
FR (EP 0424026) - Exp. Oct 11, 2010
FR (EP 0456433) - Exp. May 3, 2011
GB (EP 0424026) - Exp. Oct 11, 2010
GB (EP 0456433) - Exp. May 3, 2011
HK 1,014,415 - Exp. May 3, 2011
JP 2,969,782 - Exp. May 9, 2010
JP 2,977,104 - Exp. Jul 26, 2011
JP 3,331,351 - Exp. Dec 28, 2012
JP 3,449,370 - Exp. Dec 28, 2012
JP 3,531,594 - Exp. Sep 20, 2013
JP 3,797,209 - Exp. Nov 30, 2021
KR 141,705 - Exp. Mar 24, 2013
KR 221,889 - Exp. May 9, 2011
KR 945,826 - Exp. Nov 29, 2022
US Re. 37,222 - Exp. Oct 11, 2010
US 4,864,393 - Exp. May 30, 2008
US 5,343,248 - Exp. Jul 15, 2012
US 5,461,420 - Exp. Sep 16, 2013
US 5,510,840 - Exp. Apr 22, 2013
US 5,539,466 - Exp. Jul 22, 2013
US 5,982,437 - Exp. Nov 8, 2016
US 6,160,849 - Exp. Dec 11, 2017

Sun Patent Trust

CN 01119094.9 - Exp. May 28, 2017
CN 200510067737.6 - Exp. May 28, 2017
JP 3,343,554 - Exp. May 28, 2017
JP 3,851,317 - Exp. May 28, 2017
KR 371,129 - Exp. May 28, 2017
KR 371,130 - Exp. May 28, 2017
US 7,079,694 - Exp. May 27, 2017
US 7,394,941 - Exp. Jan 10, 2020
US 7,424,158 - Exp. Jul 12, 2017
US 7,437,008 - Exp. Jun 29, 2017
US 7,444,029 - Exp. Jun 29, 2017
US 7,995,654 - Exp. Dec 14, 2020

Telenor ASA

AT (EP 0630547) - Exp. Mar 10, 2013
BE (EP 0630547) - Exp. Mar 10, 2013
CH (EP 0630547) - Exp. Mar 10, 2013
DE (EP 0630547) - Exp. Mar 10, 2013
DK (EP 0630547) - Exp. Mar 10, 2013
ES (EP 0630547) - Exp. Mar 10, 2013
FR (EP 0630547) - Exp. Mar 10, 2013
GB (EP 0630547) - Exp. Mar 10, 2013
GR (EP 0630547) - Exp. Mar 10, 2013
IE (EP 0630547) - Exp. Mar 10, 2013
IT (EP 0630547) - Exp. Mar 10, 2013
JP 2,955,363 - Exp. Mar 10, 2013
LI (EP 0630547) - Exp. Mar 10, 2013
LU (EP 0630547) - Exp. Mar 10, 2013
MC (EP 0630547) - Exp. Mar 10, 2013
NL (EP 0630547) - Exp. Mar 10, 2013
PT (EP 0630547) - Exp. Mar 10, 2013
SE (EP 0630547) - Exp. Mar 10, 2013
US 5,579,413 - Exp. Nov 25, 2013

Toshiba Corporation

CA 2,249,540 - Exp. Mar 18, 2017
CN 97193909.8 - Exp. Mar 18, 2017
JP 3,631,488 - Exp. Sep 13, 2016
JP 3,657,954 - Exp. Sep 13, 2016
JP 3,657,955 - Exp. Sep 13, 2016
JP 3,657,956 - Exp. Sep 13, 2016
JP 3,657,957 - Exp. Sep 13, 2016
JP 3,657,967 - Exp. Sep 13, 2016

JP 3,657,968 - Exp. Sep 13, 2016
JP 3,657,969 - Exp. Sep 13, 2016
JP 3,657,970 - Exp. Sep 13, 2016
KR 685,771 - Exp. Mar 18, 2017
KR 685,772 - Exp. Mar 18, 2017
MX 252,913 - Exp. Mar 18, 2017
US 5,930,395 - Exp. Oct 24, 2016
US 6,408,098 - Exp. Oct 24, 2016
US 6,571,361 - Exp. Sep 26, 2016
US 6,621,931 - Exp. Oct 24, 2016
US 6,701,018 - Exp. Oct 24, 2016
US 7,321,995 - Exp. Oct 17, 2017
US 7,475,298 - Exp. Jul 12, 2017

ZTE Corporation

KR 124,164 - Exp. Apr 30, 2014



Revised as of October 10, 2024
August 1, 2024

VC-1 Addendum of Patents of Terminated Licensors

Addendum of Patents of Terminated Licensors

The following listed patents were contributed to the VC-1 Patent Portfolio by an entity that has since terminated as a Licensor. For as long as they continue to be a Licensee, those Licensees with a license in effect prior to the date of such Licensor's termination retain their license to such Licensor's VC-1 Patent Portfolio patents (including those listed below) that the Licensor or its Affiliates presently or in the future has the right to license or sublicense (without payment to any third party which is not an Affiliate), including on or after such termination date.



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LG Electronics Inc. (terminated
October 10, 2024)

US 8,233,528

US 8,243,791

US 8,428,141



Revised as of October 10, 2024
August 1, 2024

VC-1 Addendum of Patents of Terminated Licensors

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Expired Patents

LG Electronics Inc. (terminated October 10, 2024)

DE 19829468 - Exp. Jul 1, 2018
GB 2,329,090 - Exp. Jul 2, 2018
GB 2,405,549 - Exp. Jan 7, 2023
JP 2,920,209 - Exp. Aug 15, 2017
JP 3,464,908 - Exp. Apr 1, 2018
KR 155,642 - Exp. Mar 9, 2015
KR 235,988 - Exp. Nov 12, 2017
KR 237,636 - Exp. Nov 2, 2015
KR 244,290 - Exp. Sep 9, 2017
KR 251,549 - Exp. Feb 28, 2017
KR 281,099 - Exp. Jul 30, 2017
KR 525,785 - Exp. Jun 15, 2021
KR 598,367 - Exp. Oct 17, 2022
KR 598,368 - Exp. Oct 17, 2022
KR 598,369 - Exp. Oct 17, 2022
KR 602,149 - Exp. Jul 7, 2019
KR 617,598 - Exp. Dec 30, 2017
KR 640,937 - Exp. Jul 7, 2019
KR 687,845 - Exp. Jun 15, 2021
KR 721,022 - Exp. Jun 15, 2021
KR 757,829 - Exp. Dec 30, 2017
KR 757,830 - Exp. Dec 30, 2017
KR 757,832 - Exp. Dec 30, 2017
KR 839,304 - Exp. Oct 17, 2022
KR 885,441 - Exp. Oct 17, 2022
KR 886,192 - Exp. Jul 7, 2019
US Re. 37,057 - Exp. Nov 13, 2014
US Re. 40,177 - Exp. Aug 23, 2019
US Re. 40,178 - Exp. Aug 23, 2019
US Re. 40,179 - Exp. Aug 23, 2019
US Re. 40,180 - Exp. Aug 23, 2019
US Re. 41,089 - Exp. Jun 23, 2019
US Re. 41,400 - Exp. Jun 23, 2019
US Re. 41,402 - Exp. Aug 23, 2019
US Re. 41,909 - Exp. Aug 23, 2019
US Re. 41,932 - Exp. Aug 23, 2019
US Re. 41,953 - Exp. Aug 23, 2019
US Re. 42,516 - Exp. Apr 23, 2018
US Re. 42,660 - Exp. Apr 23, 2018
US Re. 42,693 - Exp. Apr 23, 2018
US Re. 42,713 - Exp. Apr 23, 2018
US Re. 42,851 - Exp. Apr 23, 2018
US 6,028,967 - Exp. Jan 21, 2018

US 6,862,043 - Exp. Jan 30, 2020
US 7,233,706 - Exp. Jan 21, 2018
US 7,239,755 - Exp. Jan 21, 2018
US 7,262,886 - Exp. Jan 21, 2018
US 7,277,593 - Exp. Jan 21, 2018
US 7,283,681 - Exp. Jan 21, 2018
US 7,283,682 - Exp. Jan 21, 2018
US 7,289,682 - Exp. Jan 21, 2018
US 7,305,142 - Exp. Jan 21, 2018
US 7,359,569 - Exp. Jan 21, 2018
US 7,359,570 - Exp. Jan 21, 2018
US 7,362,913 - Exp. Jan 21, 2018
US 7,362,914 - Exp. Jan 21, 2018
US 7,379,616 - Exp. Jan 21, 2018
US 7,379,617 - Exp. Jan 21, 2018
US 7,391,921 - Exp. Jan 21, 2018
US 7,391,922 - Exp. Jan 21, 2018
US 7,391,923 - Exp. Jan 21, 2018
US 7,394,945 - Exp. Jan 21, 2018
US 7,397,965 - Exp. Jan 21, 2018
US 7,403,667 - Exp. Jan 21, 2018
US 7,437,015 - Exp. May 23, 2018
US 7,454,082 - Exp. Jan 21, 2018
US 7,492,960 - Exp. Jan 21, 2018
US 7,492,961 - Exp. Jan 21, 2018
US 7,499,598 - Exp. Jan 21, 2018
US 7,599,571 - Exp. Jan 21, 2018
US 7,616,831 - Exp. Jan 21, 2018
US 7,616,832 - Exp. Jan 21, 2018
US 7,616,833 - Exp. Jan 21, 2018
US 8,532,193 - Exp. Apr 1, 2024
US 8,565,316 - Exp. Apr 1, 2024
US 8,571,109 - Exp. Apr 1, 2024
US 8,571,110 - Exp. Apr 1, 2024
US 8,625,675 - Exp. Apr 1, 2024
US 8,731,063 - Exp. Apr 1, 2024
US 8,743,966 - Exp. Apr 1, 2024
US 8,787,450 - Exp. Jun 13, 2022
US 8,787,451 - Exp. Jun 13, 2022
US 8,787,452 - Exp. Jun 13, 2022
US 8,798,142 - Exp. Jun 13, 2022
US 8,811,476 - Exp. Jun 13, 2022
US 8,837,583 - Exp. Jun 13, 2022
US 8,837,584 - Exp. Jun 13, 2022
US 8,953,691 - Exp. Apr 1, 2024
US 8,976,866 - Exp. Jan 5, 2023
US 8,982,954 - Exp. Jan 5, 2023
US 8,982,955 - Exp. Jan 5, 2023

US 8,983,225 - Exp. Jan 21, 2018
US 9,008,183 - Exp. Jan 5, 2023