Canon Inc.

BE (EP 4,044,401)
CN 113489172
CN 113785469
CN 116599549
CN 119813564
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ConvenientPower HK Limited

US 8,290,463
US 8,554,165
US 10,511,183

Dolby Hybrid Technologies, LLC

CN 103545937
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KR 859,445 - Exp. Dec 11, 2026
KR 874,837
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Electronics and Telecommunications Research Institute

US 8,558,412

Guangdong OPPO Mobile Telecommunications Corp., Ltd.

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CN 209472406
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Hyundai Mobis Co., Ltd.

CN 102208921
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Intel Corporation

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US 11,955,811
US 12,249,845
ZA 2015/00648
ZA 2018/05347
ZA 201501366

Korea Advanced Institute of Science and Technology (KAIST)

KR 2,126,745

Korea Electrotechnology Research Institute (KERI)

KR 2,162,859
US 10,141,105

LG Electronics Inc.

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LG Innotek Co., Ltd.

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Navigate LLC

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NEC Corporation

JP 5,963,007
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Panasonic Automotive Systems Co., Ltd.

DE (EP 2,086,085) - Exp. Nov 8, 2026
DE (EP 2,882,070) - Exp. Nov 8, 2026
FR (EP 2,086,085) - Exp. Nov 8, 2026
FR (EP 2,882,070) - Exp. Nov 8, 2026
GB (EP 2,086,085) - Exp. Nov 8, 2026
GB (EP 2,882,070) - Exp. Nov 8, 2026
JP 4,480,048 - Exp. Nov 8, 2026
JP 5,430,046
JP 5,475,184
JP 5,509,385 - Exp. Nov 8, 2026
JP 5,555,302 - Exp. Nov 8, 2026
JP 5,662,532
JP 5,830,707 - Exp. Nov 8, 2026
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Panasonic Holdings Corporation

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Robert Bosch GmbH

CN 103858310
CN 103887846
CN 104937683
CN 106575885
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DE 10 2013 212 588
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Siemens Corp.

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Sony Group Corporation

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CN 106100155
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CN 107979186
CN 108462260
CN 109193886
CN 109193887
CN 110098655
CN 110474443
CN 110474444
CN 110474445
CN 110518714
CY (EP 3,651,374 C0)
CZ (EP 3,651,374 C0)
DE (EP 2,693,235)
DE (EP 2,735,084)
DE (EP 2,742,577)
DE (EP 2,865,101)
DE (EP 2,897,253)
DE (EP 3,039,769)
DE (EP 3,247,019)
DE (EP 3,373,461)
DE (EP 3,376,586)
DE (EP 3,379,735)
DE (EP 3,382,427)
DE (EP 3,470,886)
DE (EP 3,605,855)
DE (EP 3,651,374 C0)
DE (EP 3,694,080)
DE (EP 3,719,916)
DK (EP 3,651,374 C0)
EE (EP 3,651,374 C0)
ES (EP 3,651,374 C0)
FI (EP 3,651,374 C0)
FR (EP 2,693,235)

FR (EP 2,742,577)
FR (EP 2,865,101)
FR (EP 2,897,253)
FR (EP 3,247,019)
FR (EP 3,373,461)
FR (EP 3,376,586)
FR (EP 3,379,735)
FR (EP 3,382,427)
FR (EP 3,470,886)
FR (EP 3,605,855)
FR (EP 3,651,374 C0)
FR (EP 3,694,080)
FR (EP 3,719,916)
GB (EP 2,693,235)
GB (EP 2,742,577)
GB (EP 3,247,019)
GB (EP 3,373,461)
GB (EP 3,376,586)
GB (EP 3,379,735)
GB (EP 3,382,427)
GB (EP 3,470,886)
GB (EP 3,605,855)
GB (EP 3,651,374 C0)
GB (EP 3,719,916)
GR (EP 3,651,374 C0)
HR (EP 3,651,374 C0)
HU (EP 3,651,374 C0)
IE (EP 3,651,374 C0)
IS (EP 3,651,374 C0)
IT (EP 3,651,374 C0)
JP 5,840,886
JP 5,915,904
JP 5,976,385
JP 6,029,278
JP 6,035,711
JP 6,040,899
JP 6,127,668
JP 6,226,019
JP 6,261,978
JP 6,330,953
JP 6,332,398
JP 6,376,201
JP 6,387,222
JP 6,418,308
JP 6,428,832
JP 6,466,557
JP 6,504,416
JP 6,555,401
JP 6,614,272
JP 6,665,914
JP 6,769,508
KR 2,083,407
LI (EP 3,651,374 C0)
LT (EP 3,651,374 C0)
LU (EP 3,651,374 C0)
LV (EP 3,651,374 C0)
MC (EP 3,651,374 C0)
MK (EP 3,651,374 C0)
MT (EP 3,651,374 C0)
NL (EP 2,865,101)
NL (EP 3,373,461)
NL (EP 3,651,374 C0)
NL (EP 3,694,080)
NO (EP 3,651,374 C0)
PL (EP 3,651,374 C0)
PT (EP 3,651,374 C0)
RO (EP 3,651,374 C0)
RS (EP 3,651,374 C0)
SE (EP 3,651,374 C0)
SI (EP 3,651,374 C0)
SK (EP 3,651,374 C0)
SM (EP 3,651,374 C0)
TR (EP 3,651,374 C0)
US 7,733,215
US 9,057,753
US 9,270,126
US 9,360,456
US 9,360,508
US 9,455,593
US 9,455,594
US 9,467,205
US 9,482,702
US 9,518,948
US 9,530,558
US 9,559,524
US 9,583,964
US 9,612,353
US 9,660,699
US 9,712,001
US 9,831,688
US 9,847,652
US 9,847,664
US 9,882,417
US 9,882,437
US 9,892,848
US 9,929,602
US 9,929,605
US 9,935,504
US 10,003,216
US 10,003,221
US 10,008,876
US 10,020,693
US 10,027,176
US 10,036,767
US 10,250,080
US 10,256,673
US 10,312,741
US 10,326,318
US 10,352,970
US 10,371,849
US 10,461,567
US 10,498,172
US 10,516,300
US 10,547,213
US 10,566,849
US 10,797,536
US 10,819,150
US 10,819,161
US 10,819,393
US 10,833,538
US 11,004,597
US 11,011,930
US 11,029,340
US 11,128,177
US 11,271,428
US 11,289,937
US 11,303,161
US 11,309,746
US 11,316,382
US 11,515,737
US 11,953,646
US 11,990,771

Expired Patents

ConvenientPower HK Limited

DE (EP 1,547,222) - Exp. Jun 10, 2023
DE (EP 2,685,594) - Exp. Jun 10, 2023
FR (EP 1,547,222) - Exp. Jun 10, 2023
FR (EP 2,685,594) - Exp. Jun 10, 2023
GB (EP 1,547,222) - Exp. Jun 10, 2023
GB 2,389,720 - Exp. Nov 18, 2022
GB (EP 2,685,594) - Exp. Jun 10, 2023
HK 1,082,847 - Exp. Jun 10, 2023
HK 1,192,066 - Exp. Jun 10, 2023
US 7,164,255 - Exp. Jun 10, 2023
US 8,299,753 - Exp. Jun 10, 2023
US 8,519,668 - Exp. Jun 10, 2023

Dolby Hybrid Technologies, LLC

US Re. 44,038 - Exp. May 11, 2026
US Re. 46,111 - Exp. Oct 25, 2026
US Re. 48,193 - Exp. May 11, 2026

Koninklijke Philips N.V.

AT (EP 2,375,532) - Exp. May 11, 2025
AT (EP 2,403,100) - Exp. Jan 22, 2024
BE (EP 2,375,532) - Exp. May 11, 2025
BE (EP 2,403,100) - Exp. Jan 22, 2024
CA 2,541,462 - Exp. Jun 14, 2020
CH (EP 2,375,532) - Exp. May 11, 2025
CH (EP 2,403,100) - Exp. Jan 22, 2024
CN 100479292 - Exp. May 11, 2025
CN 100511913 - Exp. Jan 22, 2024
CN 101115343 - Exp. Jun 13, 2020
CN 101414765 - Exp. May 11, 2025
CN 101488676 - Exp. May 11, 2025
CN 101488677 - Exp. May 11, 2025
CN 101588075 - Exp. Jan 22, 2024
CZ (EP 2,375,532) - Exp. May 11, 2025
CZ (EP 2,403,100) - Exp. Jan 22, 2024
DE (EP 1,751,834) - Exp. May 11, 2025
DE (EP 2,372,863) - Exp. May 11, 2025
DE (EP 2,375,532) - Exp. May 11, 2025
DE (EP 2,403,100) - Exp. Jan 22, 2024
ES (EP 2,375,532) - Exp. May 11, 2025
ES (EP 2,403,100) - Exp. Jan 22, 2024
FI (EP 2,375,532) - Exp. May 11, 2025
FI (EP 2,403,100) - Exp. Jan 22, 2024
FR (EP 1,751,834) - Exp. May 11, 2025
FR (EP 2,375,532) - Exp. May 11, 2025
GB (EP 1,751,834) - Exp. May 11, 2025
GB (EP 2,372,863) - Exp. May 11, 2025
GB (EP 2,375,532) - Exp. May 11, 2025
GB (EP 2,403,100) - Exp. Jan 22, 2024
GB 2,414,121 - Exp. May 11, 2025
HK 1,117,699 - Exp. Jun 14, 2020
IN 246,018 - Exp. Jun 14, 2020
IT (EP 2,375,532) - Exp. May 11, 2025
IT (EP 2,403,100) - Exp. Jan 22, 2024
JP 4,440,867 - Exp. Jun 14, 2020
JP 4,673,422 - Exp. Jun 14, 2020
JP 5,069,780 - Exp. May 11, 2025
KR 482,867 - Exp. Jun 14, 2020
KR 1,179,002 - Exp. May 11, 2025
KR 1,237,105 - Exp. May 11, 2025
KR 1,276,956 - Exp. May 11, 2025
LI (EP 2,375,532) - Exp. May 11, 2025
LI (EP 2,403,100) - Exp. Jan 22, 2024
MY 143127-A - Exp. Mar 15, 2026
NL (EP 1,751,834) - Exp. May 11, 2025
NL (EP 2,372,863) - Exp. May 11, 2025
NL (EP 2,375,532) - Exp. May 11, 2025
NL (EP 2,403,100) - Exp. Jan 22, 2024
PL (EP 2,375,532) - Exp. May 11, 2025
SE (EP 2,375,532) - Exp. May 11, 2025
SE (EP 2,403,100) - Exp. Jan 22, 2024
TR (EP 2,375,532) - Exp. May 11, 2025
TR (EP 2,403,100) - Exp. Jan 22, 2024
US 7,385,357 - Exp. Jun 12, 2020
US 7,868,587 - Exp. May 24, 2025
US 8,035,340 - Exp. May 11, 2025
US 8,039,995 - Exp. May 11, 2025
US 8,097,984 - Exp. Mar 23, 2026
US 8,831,513 - Exp. Jul 29, 2022
US 9,106,269 - Exp. Jan 16, 2024
US 9,318,912 - Exp. Mar 23, 2026
US 9,331,526 - Exp. Feb 25, 2026
US 9,544,022 - Exp. Dec 16, 2025
US 10,069,350 - Exp. Dec 25, 2025
US 10,158,255 - Exp. Oct 21, 2025
US 10,305,329 - Exp. Jun 14, 2026
US 10,439,437 - Exp. Jan 10, 2026
US 10,804,751 - Exp. Aug 1, 2025
US 11,245,287 - Exp. Apr 18, 2026

Navigate LLC

US 8,324,759 - Exp. Jan 6, 2025

Robert Bosch GmbH

RU 2,623,092 - Exp. Dec 31, 2023

Sony Group Corporation

US 11,095,154 - Exp. Mar 2, 2026
US 11,095,155 - Exp. Mar 2, 2026
US 11,936,217 - Exp. Mar 2, 2026