

**Canon Inc.**

BE (EP 4,044,401)  
CZ (EP 4,044,401)  
DE (EP 2,784,718)  
DE (EP 3,285,195)  
DE (EP 4,044,401)  
DK (EP 4,044,401)  
ES (EP 4,044,401)  
FR (EP 2,784,718)  
FR (EP 3,285,195)  
FR (EP 4,044,401)  
GB (EP 2,784,718)  
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HU (EP 4,044,401)  
IT (EP 4,044,401)  
JP 5,584,805  
JP 7,278,356  
JP 7,336,581  
JP 7,413,594  
JP 7,467,716  
JP 7,514,110  
JP 7,538,915  
JP 7,592,830  
KR 2,593,111  
KR 2,678,518  
NL (EP 4,044,401)  
NO (EP 4,044,401)  
PL (EP 4,044,401)  
RO (EP 4,044,401)  
SE (EP 4,044,401)  
US 11,722,014  
US 12,088,120

**ConvenientPower HK Limited**

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

**Dolby Hybrid Technologies,  
LLC**

CN 103545937  
KR 859,445  
KR 874,837  
KR 976,120  
KR 976,163

KR 1,653,759  
KR 2,136,667  
KR 2,205,359  
KR 2,211,665  
US Re. 44,038  
US Re. 46,111  
US Re. 48,193  
US 9,419,478  
US 9,564,263  
US 9,762,092  
US 10,439,445  
US 10,938,240  
US 11,038,377  
US 11,139,698  
US 11,652,370

**Electronics and  
Telecommunications Research  
Institute**

US 8,558,412

**Hyundai Mobis Co., Ltd.**

CN 102208921  
JP 5,449,407  
JP 5,781,348  
KR 1,027,966  
KR 1,027,967  
KR 1,037,432  
KR 1,038,097  
KR 1,040,116  
KR 1,092,664  
KR 1,179,126  
KR 1,304,314  
KR 1,350,312  
KR 1,434,416  
US 8,406,165  
US 9,923,603

**Intel Corporation**

CN 101447683  
CN 102280919  
CN 102355037  
CN 103178593  
CN 103296784  
CN 105914900  
DE (EP 2,066,000)

DE (EP 2,093,857)  
DE (EP 2,394,350)  
DE (EP 2,416,599)  
DE (EP 2,683,051)  
FR (EP 2,066,000)  
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FR (EP 2,683,051)  
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GB (EP 2,394,350)  
GB (EP 2,416,599)  
GB (EP 2,683,051)  
JP 5,059,720  
JP 5,611,383  
JP 5,651,724  
JP 6,352,342  
KR 971,701  
KR 971,737  
KR 971,748  
KR 1,325,391  
NL (EP 2,066,000)  
NL (EP 2,394,350)  
NL (EP 2,416,599)  
NL (EP 2,683,051)  
US Re. 44,713  
US 7,825,625  
US 8,427,011  
US 8,552,593  
US 8,760,010  
US 8,914,080  
US 9,142,995  
US 9,531,197  
US 9,685,817  
US 10,299,095  
US 11,387,677

**Koninklijke Philips N.V.**

AT (EP 2,375,532)  
AT (EP 2,446,600)  
AT (EP 2,628,233)  
AT (EP 2,689,512)  
AT (EP 2,867,997)  
AT (EP 2,880,736)  
AT (EP 2,909,917)  
AT (EP 3,487,028)  
BE (EP 2,375,532)  
BE (EP 2,446,600)  
BE (EP 2,628,233)

BE (EP 2,689,512)	DE (EP 2,436,096)	GB (EP 2,436,096)
BE (EP 2,867,997)	DE (EP 2,446,600)	GB (EP 2,446,600)
BE (EP 2,880,736)	DE (EP 2,628,233)	GB 2,490,074
BE (EP 2,909,917)	DE (EP 2,689,512)	GB 2,508,548
BE (EP 3,487,028)	DE (EP 2,867,997)	GB (EP 2,628,233)
BR PI1009631	DE (EP 2,880,736)	GB (EP 2,689,512)
BR PI1009714	DE (EP 2,909,917)	GB (EP 2,867,997)
BR 112013008708	DE (EP 3,123,587)	GB (EP 2,880,736)
BR 112013023947	DE (EP 3,403,313)	GB (EP 2,909,917)
BR 112014032025-0	DE (EP 3,407,466)	GB (EP 3,123,587)
BR 112015008218	DE (EP 3,487,028)	GB (EP 3,403,313)
BR 112018014053-8	DE (EP 3,640,836)	GB (EP 3,407,466)
CH (EP 2,375,532)	ES (EP 2,375,532)	GB (EP 3,487,028)
CH (EP 2,446,600)	ES (EP 2,446,600)	GB (EP 3,640,836)
CH (EP 2,628,233)	ES (EP 2,628,233)	HK 1,148,383
CH (EP 2,689,512)	ES (EP 2,689,512)	HK 1,163,947
CH (EP 2,867,997)	ES (EP 2,867,997)	HU (EP 3,640,836)
CH (EP 2,880,736)	ES (EP 2,880,736)	ID P000042451
CH (EP 2,909,917)	ES (EP 2,909,917)	ID P000056719
CH (EP 3,487,028)	ES (EP 3,123,587)	ID P000063598
CN 100479292	ES (EP 3,403,313)	ID P000072408
CN 101414765	ES (EP 3,487,028)	IN 328,887
CN 101488677	ES (EP 3,640,836)	IN 346,819
CN 101573851	FI (EP 2,375,532)	IN 354210
CN 101836272	FI (EP 2,446,600)	IN 367641
CN 102449874	FI (EP 2,628,233)	IN 413037
CN 102804542	FI (EP 2,689,512)	IN 444246
CN 102804728	FI (EP 2,867,997)	IN 451497
CN 102823101	FI (EP 2,880,736)	IT (EP 2,375,532)
CN 103155337	FI (EP 2,909,917)	IT (EP 2,446,600)
CN 103430415	FI (EP 3,487,028)	IT (EP 2,628,233)
CN 103457363	FR (EP 1,751,834)	IT (EP 2,689,512)
CN 104320390	FR (EP 2,375,532)	IT (EP 2,867,997)
CN 104412517	FR (EP 2,436,096)	IT (EP 2,880,736)
CN 104704710	FR (EP 2,446,600)	IT (EP 2,909,917)
CN 105006895	FR (EP 2,628,233)	IT (EP 3,123,587)
CN 106463973	FR (EP 2,689,512)	IT (EP 3,403,313)
CN 108702028	FR (EP 2,867,997)	IT (EP 3,487,028)
CZ (EP 2,375,532)	FR (EP 2,880,736)	IT (EP 3,640,836)
CZ (EP 2,446,600)	FR (EP 2,909,917)	JP 5,069,780
CZ (EP 2,628,233)	FR (EP 3,123,587)	JP 5,602,745
CZ (EP 2,689,512)	FR (EP 3,403,313)	JP 5,615,908
CZ (EP 2,867,997)	FR (EP 3,407,466)	JP 5,647,179
CZ (EP 2,880,736)	FR (EP 3,487,028)	JP 5,815,515
CZ (EP 2,909,917)	FR (EP 3,640,836)	JP 5,869,497
CZ (EP 3,487,028)	GB (EP 1,751,834)	JP 5,918,146
DE (EP 1,751,834)	GB (EP 2,372,863)	JP 5,940,643
DE (EP 2,372,863)	GB (EP 2,375,532)	JP 6,134,023
DE (EP 2,375,532)	GB 2,414,121	JP 6,259,659

JP 6,276,772	NL (EP 2,909,917)	US 8,618,697
JP 6,346,175	NL (EP 3,407,466)	US 8,620,484
JP 6,515,142	NL (EP 3,487,028)	US 8,716,977
JP 6,533,565	NL (EP 3,640,836)	US 8,853,892
JP 6,557,368	PL (EP 2,375,532)	US 8,952,655
JP 6,615,366	PL (EP 2,446,600)	US 9,154,002
JP 6,632,126	PL (EP 2,628,233)	US 9,318,912
JP 6,774,924	PL (EP 2,689,512)	US 9,331,526
JP 6,794,517	PL (EP 2,867,997)	US 9,401,623
JP 6,860,608	PL (EP 2,880,736)	US 9,524,822
JP 6,975,092	PL (EP 2,909,917)	US 9,544,022
KR 1,179,002	PL (EP 3,407,466)	US 9,625,501
KR 1,237,105	RO (EP 3,640,836)	US 9,716,388
KR 1,276,956	SE (EP 2,375,532)	US 9,735,836
KR 1,399,688	SE (EP 2,446,600)	US 10,069,350
KR 1,492,296	SE (EP 2,628,233)	US 10,103,584
KR 1,603,275	SE (EP 2,689,512)	US 10,141,782
KR 1,699,986	SE (EP 2,867,997)	US 10,305,329
KR 1,733,403	SE (EP 2,880,736)	US 10,312,750
KR 1,743,772	SE (EP 2,909,917)	US 10,320,244
KR 1,777,434	SE (EP 3,487,028)	US 10,439,437
KR 1,839,588	TH 71142	US 10,545,180
KR 1,842,611	TH 110417	US 10,694,008
KR 2,096,559	TR (EP 2,375,532)	US 10,791,204
LI (EP 2,375,532)	TR (EP 2,436,096)	US 10,804,751
LI (EP 2,446,600)	TR (EP 2,446,600)	US 10,855,109
LI (EP 2,628,233)	TR (EP 2,628,233)	US 10,862,335
LI (EP 2,689,512)	TR (EP 2,689,512)	US 10,985,613
LI (EP 2,867,997)	TR (EP 2,867,997)	US 11,050,304
LI (EP 2,880,736)	TR (EP 2,880,736)	US 11,165,285
LI (EP 2,909,917)	TR (EP 2,909,917)	US 11,293,957
LI (EP 3,487,028)	TR (EP 3,123,587)	US 11,323,551
MX 320,310	TR (EP 3,403,313)	US 11,522,393
MX 323,717	TR (EP 3,407,466)	ZA 2015/00648
MX 347684	TR (EP 3,487,028)	ZA 2018/05347
MX 347,898	TR (EP 3,640,836)	ZA 201501366
MX 372938	TW I367617	
MY 143127-A	TW I459678	
MY 145865-A	TW I484716	
MY 151405	TW I499154	
MY 160103-A	TW I523366	
NL (EP 1,751,834)	TW I636634	
NL (EP 2,372,863)	US 7,868,587	
NL (EP 2,375,532)	US 8,004,235	
NL (EP 2,446,600)	US 8,035,340	
NL (EP 2,628,233)	US 8,097,984	
NL (EP 2,689,512)	US 8,188,854	
NL (EP 2,867,997)	US 8,446,046	
NL (EP 2,880,736)	US 8,587,154	
		<b><u>LG Innotek Co., Ltd.</u></b>
		AT (EP C0 3,731,427)
		BE (EP C0 3,731,427)
		BG (EP C0 3,731,427)
		CH (EP C0 3,731,427)
		CN 104600869
		CN 115347688
		CZ (EP C0 3,731,427)
		DE (EP 3,389,191)
		DE (EP 3,393,051)
		DE (EP C0 3,731,427)

DK (EP C0 3,731,427)  
 EE (EP C0 3,731,427)  
 ES (EP C0 3,731,427)  
 FI (EP C0 3,731,427)  
 FR (EP 3,389,191)  
 FR (EP 3,393,051)  
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 GB (EP C0 3,731,427)  
 IE (EP C0 3,731,427)  
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 JP 6,497,717  
 JP 6,748,249  
 JP 6,975,293  
 JP 7,423,551  
 JP 7,461,540  
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 JP 7,506,804  
 JP 7,525,564  
 KR 1,601,909  
 KR 1,749,999  
 KR 1,981,721  
 KR 2,108,502  
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 KR 2,509,314  
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 KR 2,592,807  
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 KR 2,656,065  
 KR 2,719,208  
 LI (EP C0 3,731,427)  
 LT (EP C0 3,731,427)  
 LU (EP C0 3,731,427)  
 LV (EP C0 3,731,427)  
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 NL (EP 3,389,191)  
 NL (EP 3,393,051)  
 NL (EP C0 3,731,427)  
 PL (EP C0 3,731,427)  
 PT (EP C0 3,731,427)  
 SE (EP 3,389,191)  
 SE (EP 3,393,051)

SE (EP C0 3,731,427)  
 SI (EP C0 3,731,427)  
 US 10,110,074  
 US 10,340,751  
 US 10,742,074  
 US 10,862,348  
 US 10,916,973  
 US 11,005,303  
 US 11,121,585  
 US 11,349,347  
 US 11,381,119  
 US 11,626,762  
 US 11,646,607  
 US 11,652,371  
 US 11,784,514  
 US 11,923,699

**Navigate LLC**

AT (EP 2,357,715)  
 BE (EP 2,357,715)  
 CH (EP 2,357,715)  
 CN 101828320  
 DE (EP 2,357,715)  
 DK (EP 2,357,715)  
 ES (EP 2,357,715)  
 FI (EP 2,357,715)  
 FR (EP 2,357,715)  
 GB (EP 2,357,715)  
 GR (EP 2,357,715)  
 HU (EP 2,357,715)  
 IE (EP 2,357,715)  
 IT (EP 2,357,715)  
 JP 5,393,804  
 JP 5,932,743  
 KR 915,842  
 KR 928,439  
 LI (EP 2,357,715)  
 NL (EP 2,357,715)  
 NO (EP 2,357,715)  
 PL (EP 2,357,715)  
 PT (EP 2,357,715)  
 SE (EP 2,357,715)  
 SK (EP 2,357,715)  
 TR (EP 2,357,715)  
 US Re. 49,300  
 US 9,130,395

**NEC Corporation**

JP 5,963,007  
 JP 6,061,014

**Panasonic Automotive Systems Co., Ltd.**

DE (EP 2,086,085)  
 DE (EP 2,882,070)  
 FR (EP 2,086,085)  
 FR (EP 2,882,070)  
 GB (EP 2,086,085)  
 GB (EP 2,882,070)  
 JP 4,480,048  
 JP 5,430,046  
 JP 5,475,184  
 JP 5,509,385  
 JP 5,555,302  
 JP 5,662,532  
 JP 5,830,707  
 JP 6,002,931  
 JP 6,090,172  
 JP 6,467,638  
 JP 6,467,639  
 US 8,330,414  
 US 8,664,914  
 US 8,786,252  
 US 9,124,106  
 US 9,312,711  
 US 9,362,779  
 US 9,438,069  
 US 9,490,654  
 US 9,985,463

**Panasonic Holdings Corporation**

AT (EP C0 3,335,926)  
 BE (EP C0 3,335,926)  
 BG (EP C0 3,335,926)  
 CN 101789636  
 CN 102918748  
 CN 106160269  
 CN 106716780  
 CN 106981930  
 CN 108233498  
 CN 112234720  
 CN 112234721  
 DE (EP 2,211,438)



**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

**Koninklijke Philips N.V.**

AT (EP 2,403,100) - Exp. Jan 22, 2024  
BE (EP 2,403,100) - Exp. Jan 22, 2024  
CA 2,541,462 - Exp. Jun 14, 2020  
CH (EP 2,403,100) - Exp. Jan 22, 2024  
CN 100511913 - Exp. Jan 22, 2024  
CN 101115343 - Exp. Jun 13, 2020  
CN 101588075 - Exp. Jan 22, 2024  
CZ (EP 2,403,100) - Exp. Jan 22, 2024  
DE (EP 2,403,100) - Exp. Jan 22, 2024  
ES (EP 2,403,100) - Exp. Jan 22, 2024  
FI (EP 2,403,100) - Exp. Jan 22, 2024  
GB (EP 2,403,100) - Exp. Jan 22, 2024  
HK 1,117,699 - Exp. Jun 14, 2020  
IN 246,018 - Exp. Jun 14, 2020  
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  
KR 482,867 - Exp. Jun 14, 2020  
LI (EP 2,403,100) - Exp. Jan 22, 2024  
NL (EP 2,403,100) - Exp. Jan 22, 2024  
SE (EP 2,403,100) - Exp. Jan 22, 2024  
TR (EP 2,403,100) - Exp. Jan 22, 2024  
US 7,385,357 - Exp. Jun 12, 2020  
US 8,831,513 - Exp. Jul 29, 2022

**Robert Bosch GmbH**

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

**WiTricity Corporation**

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