

**CONFIDENTIAL - DRAFT PANASONIC MOTOR CONTROL LIST (STATUS AS OF JULY 16, 2015)**

Family	Status	Patent Num	Patent Date	App Num	App Date	Expired Date	Lapsed Date
US	Granted	6256181	2001/07/03	09/339242	1999/06/24	2019/06/24	
CN	Lapsed	99109224.4	2001/10/31	99109224.4	1999/06/22	2019/06/22	2013/06/22
MY	Granted	MY-118268-A	2004/09/30	PI99002617	1999/06/24	2019/09/30	
US	Granted	6160367	2000/12/12	09/347414	1999/07/06	2019/07/06	
CN	Lapsed	99109538.3	2002/04/24	99109538.3	1999/07/07	2019/07/07	2014/07/07
MY	Granted	MY-121782-A	2006/02/28	PI99002846	1999/07/07	2021/02/28	
US	Granted	6512341	2003/01/28	09/902258	2001/07/11	2021/07/11	
CN	Lapsed	01120611.X	2005/12/21	01120611.X	2001/07/16	2021/07/16	2013/07/16
KR	Lapsed	10-0436909	2004/06/10	2001-0041490	2001/07/11	2021/07/11	2011/06/10
US	Granted	6984948	2006/01/10	10/734752	2003/12/10	2023/12/10	
KR	Granted	10-1006589	2010/12/30	2003-0090164	2003/12/11	2023/12/11	
CN	Granted	200310122595.1	2008/01/02	200310122595.X	2003/12/12	2023/12/12	
ES	Granted	1429450	2008/02/13	03028279.2	2003/12/10	2023/12/10	
FR	Granted	1429450	2008/02/13	03028279.2	2003/12/10	2023/12/10	
IT	Granted	1429450	2008/02/13	03028279.2	2003/12/10	2023/12/10	
DE	Lapsed	1843463	2013/07/03	07012734.5	2007/06/28	2023/12/10	2014/12/10
IT	Lapsed	1843463	2013/07/03	07012734.5	2007/06/28	2023/12/10	2014/12/10
ES	Lapsed	1843463	2013/07/03	07012734.5	2007/06/28	2023/12/10	2014/12/10
FR	Lapsed	1843463	2013/07/03	07012734.5	2007/06/28	2023/12/10	2014/12/10
EPC	Lapsed	1429450	2008/02/13	03028279.2	2003/12/10	2023/12/10	
EPC	Lapsed	1843463	2013/07/03	07012734.5	2007/06/28	2023/12/10	
EPC	Publication			12196883.8	2012/12/13	2023/12/10	
US	Granted	7102306	2006/09/05	10/546001	2005/08/18	2024/03/08	
TW	Granted	I323974	2010/04/21	93106379	2004/03/10	2024/03/09	
CN	Granted	200480005031.1	2008/10/22	200480005031.0	2005/08/24	2024/03/08	

KR	Granted	10-0702913	2007/03/28	2005-7016508	2005/09/05	2024/03/08	
ID	Granted	ID0020682	2008/02/29	W00200502748	2005/10/13	2024/03/08	
PCT	Lapsed			PCT/JP04/002958	2004/03/08		
US	Granted	8226372	2012/07/24	10/515196	2004/11/19	2024/03/16	
KR	Granted	10-0644810	2006/11/03	2004-7016561	2004/10/15	2024/03/16	
CN	Granted	200480000223.	2008/10/15	200480000223.2	2004/11/15	2024/03/16	
DE	Granted	1505718	2014/08/13	04720995.2	2004/03/16	2024/03/16	
EPC	Lapsed	1505718	2014/08/13	04720995.2	2004/03/16	2024/03/16	
PCT	Lapsed			PCT/JP04/003464	2004/03/16		
US	Granted	7650760	2010/01/26	10/552662	2005/10/11	2024/04/21	
KR	Lapsed	10-0738755	2007/07/05	2005-7019906	2005/10/20	2024/04/21	2011/07/05
CN	Granted	200480011039.	2008/06/18	200480011039.8	2005/10/24	2024/04/21	
EPC	Lapsed			04728629.9	2005/10/14	2024/04/21	2011/10/26
PCT	Lapsed			PCT/JP04/005691	2004/04/21		
US	Granted	7292004	2007/11/06	10/822798	2004/04/13	2024/04/13	
KR	Granted	10-0639447	2006/10/20	2004-0025315	2004/04/13	2024/04/13	
CN	Granted	200410055084.	2007/01/24	200410055084.5	2004/04/14	2024/04/14	
GB	Lapsed	1503491	2009/09/09	04008800.7	2004/04/14	2024/04/14	2012/04/14
DE	Lapsed	1503491	2009/09/09	602004023037.5	2004/04/14	2024/04/14	2014/04/14
FR	Lapsed	1503491	2009/09/09	04008800.7	2004/04/14	2024/04/14	2014/04/14
IT	Lapsed	1503491	2009/09/09	04008800.7	2004/04/14	2024/04/14	2014/04/14
ES	Lapsed	1503491	2009/09/09	04008800.7	2004/04/14	2024/04/14	2014/04/14
EPC	Lapsed	1503491	2009/09/09	04008800.7	2004/04/14	2024/04/14	
US	Granted	7330011	2008/02/12	10/891141	2004/07/15	2024/07/15	
KR	Lapsed	10-0639451	2006/10/20	2004-0055472	2004/07/16	2024/07/16	2009/10/20
CN	Granted	200410092104.	2007/12/05	200410092104.6	2004/07/16	2024/07/16	
EPC	Publication			04016178.8	2004/07/09	2024/07/09	

US	Granted	7427841	2008/09/23	10/579945	2006/05/22	2024/11/16	
CN	Granted	200480034173.	2008/12/03	200480034173.X	2006/05/19	2024/11/16	
KR	Granted	10-0799009	2008/01/22	2006-7009547	2006/05/17	2024/11/16	
ID	Granted	IDP0024065	2009/08/20	W00200601884	2006/07/03	2024/11/16	
PCT	Lapsed			PCT/JP04/016972	2004/11/16		
US	Granted	7615952	2009/11/10	11/574016	2007/02/21	2025/08/24	
CN	Lapsed			200580029403.8	2007/03/01	2025/08/24	2008/06/26
JP	Lapsed			2006531933	2006/12/01		2009/03/18
EPC	Lapsed			05780884.2	2007/02/01	2025/08/24	2013/03/27
PCT	Lapsed			PCT/JP05/015312	2005/08/24		
US	Expired	5764022	1998/06/09	08/754514	1996/11/21	2014/12/08	2014/12/08
JP	Not Patented			H05336627	1993/12/28		2002/07/02
KR	Lapsed			94037229	1994/12/27		2011/12/31
DE	Lapsed	0661453	2003/04/23	94120432.3	1994/12/22	2014/12/22	2010/09/24
FR	Lapsed	0661453	2003/04/23	94120432.3	1994/12/22	2014/12/22	2010/09/24
GB	Lapsed	0661453	2003/04/23	94120432.3	1994/12/22	2014/12/22	2010/09/24
IT	Lapsed	0661453	2003/04/23	94120432.3	1994/12/22	2014/12/22	2009/09/18
ES	Lapsed	0661453	2003/04/23	94120432.3	1994/12/22	2014/12/22	2010/09/24
KR	Lapsed	20-148047	1999/03/12	98-3292	1998/03/07	2009/12/27	2009/01/28
EPC	Expired	0661453	2003/04/23	94120432.3	1994/12/22	2014/12/22	2014/12/22
US	Granted	6538404	2003/03/25	09/782755	2001/02/13	2021/02/13	
CN	Granted	01103753.9	2005/06/08	01103753.9	2001/02/13	2021/02/13	
JP	Granted	03524834	2004/02/20	2000035974	2000/02/14	2020/02/14	
CN	Granted	200510004595.	2007/01/24	200510004595.9	2005/01/18	2021/02/13	
US	Granted	7504797	2009/03/17	11/508899	2006/08/24	2027/02/18	
CN	Lapsed	ZL20061012184	2009/06/03	200610121842.8	2006/08/25	2026/08/25	2014/08/25
JP	Lapsed			2005246305	2005/08/26		2006/11/27

JP	Lapsed			2006043398	2006/02/21		2007/05/22
JP	Lapsed	04480696	2010/03/26	2006177646	2006/06/28	2026/06/28	2014/03/26
JP	Granted	04972135	2012/04/13	2009211653	2009/09/14	2026/06/28	
DE	Lapsed	1758240	2012/08/08	06119540.0	2006/08/25	2026/08/25	2014/08/25
FR	Lapsed	1758240	2012/08/08	06119540.0	2006/08/25	2026/08/25	2014/08/25
EPC	Lapsed	1758240	2012/08/08	06119540.0	2006/08/25	2026/08/25	
EPC	Publication			11193619.1	2011/12/14	2026/08/25	
US	Lapsed	7808203	2010/10/05	11/730684	2007/04/03	2028/02/04	2014/04/05
US	Lapsed	7893639	2011/02/22	12/629372	2009/12/02	2027/04/03	2014/08/22
JP	Lapsed	04198162	2008/10/10	2006106293	2006/04/07	2026/04/07	2014/10/10
JP	Not Patented			2008156002	2008/06/13		2013/04/08
EPC	Lapsed			07105540.4	2007/04/03	2027/04/03	2015/04/16
US	Granted	7710066	2010/05/04	11/822208	2007/07/03	2028/07/02	
CN	Lapsed	200710127430.1	2012/06/13	200710127430.X	2007/07/05	2027/07/05	2014/07/05
JP	Lapsed	04789720	2011/07/29	2006187330	2006/07/07	2026/07/07	2014/07/29
GB	Granted	1876702	2014/02/12	07111726.1	2007/07/04	2027/07/04	
FR	Granted	1876702	2014/02/12	07111726.1	2007/07/04	2027/07/04	
IT	Granted	1876702	2014/02/12	07111726.1	2007/07/04	2027/07/04	
DE	Granted	1876702	2014/02/12	07111726.1	2007/07/04	2027/07/04	
EPC	Lapsed	1876702	2014/02/12	07111726.1	2007/07/04	2027/07/04	
US	Lapsed	7804266	2010/09/28	11/853625	2007/09/11	2028/03/13	2014/03/28
CN	Lapsed			200710148787.6	2007/09/11	2027/09/11	2012/05/28
JP	Not Patented			2006245025	2006/09/11		2012/09/26
EPC	Lapsed			07115992.5	2007/09/10	2027/09/10	2013/12/11
US	Granted	7598698	2009/10/06	11/864150	2007/09/28	2027/12/23	
CN	Lapsed	ZL20071016187	2011/05/04	200710161870.7	2007/09/27	2027/09/27	2014/09/27
JP	Granted	04956123	2012/03/23	2006264181	2006/09/28	2026/09/28	

EPC	Lapsed			07117043.5	2007/09/24	2027/09/24	2013/11/11
CN	Lapsed	200710199360.	2011/02/09	200710199360.9	2007/12/17	2027/12/17	2012/12/17
US	Lapsed	7816876	2010/10/19	11/965060	2007/12/27	2028/12/25	2014/04/19
JP	Lapsed	04383442	2009/10/02	2006351824	2006/12/27	2026/12/27	2014/10/02
DE	Lapsed	01940016	2009/09/09	07025130.1	2007/12/27	2027/12/27	2012/12/27
FR	Lapsed	01940016	2009/09/09	07025130.1	2007/12/27	2027/12/27	2012/12/27
GB	Lapsed	01940016	2009/09/09	07025130.1	2007/12/27	2027/12/27	2012/12/27
IT	Lapsed	01940016	2009/09/09	07025130.1	2007/12/27	2027/12/27	2012/12/27
SE	Lapsed	01940016	2009/09/09	07025130.1	2007/12/27	2027/12/27	2012/12/27
EPC	Lapsed	01940016	2009/09/09	07025130.1	2007/12/27	2027/12/27	
US	Granted	7936146	2011/05/03	12/101707	2008/04/11	2029/04/10	
CN	Lapsed	ZL20081009179	2011/05/04	200810091796.0	2008/04/14	2028/04/14	2013/04/14
JP	Lapsed			2007106024	2007/04/13		2008/07/14
JP	Granted	05311864	2013/07/12	2008097168	2008/04/03	2028/04/03	
EPC	Publication			08007219.2	2008/04/11	2028/04/11	
US	Granted	8084976	2011/12/27	12/139958	2008/06/16	2028/06/16	
CN	Lapsed	ZL20081010825	2010/10/27	200810108254.X	2008/06/05	2028/06/05	2013/06/05
JP	Lapsed	04297953	2009/04/24	2007165059	2007/06/22	2027/06/22	2014/04/24
EPC	Publication			08011171.9	2008/06/19	2028/06/19	
US	Lapsed	7898197	2011/03/01	12/178983	2008/07/24	2029/05/26	2014/09/01
CN	Lapsed	ZL20081014430	2011/03/16	200810144302.0	2008/07/25	2028/07/25	2013/07/25
JP	Granted	04961292	2012/03/30	2007195544	2007/07/27	2027/07/27	
EPC	Publication			08013379.6	2008/07/24	2028/07/24	
US	Granted	8084977	2011/12/27	12/186812	2008/08/06	2028/08/06	
CN	Lapsed	ZL20081012980	2011/06/01	200810129803.1	2008/08/07	2028/08/07	2013/08/07
JP	Lapsed	04476314	2010/03/19	2007210307	2007/08/10	2027/08/10	2014/03/19
EPC	Publication			08014147.6	2008/08/07	2028/08/07	

US	Granted	8040086	2011/10/18	12/196671	2008/08/22	2030/02/26	
CN	Lapsed	ZL20081021490	2011/06/01	200810214906.8	2008/08/28	2028/08/28	2014/08/28
JP	Not Patented			2007221981	2007/08/29		2012/09/05
EPC	Publication			08015140.0	2008/08/27	2028/08/27	
US	Granted	8269436	2012/09/18	12/407289	2009/03/19	2029/03/19	
JP	Not Patented			2008071444	2008/03/19		2013/05/05
US	Granted	8164288	2012/04/24	12/429515	2009/04/24	2029/04/24	
CN	Lapsed	200910136887.	2012/08/22	200910136887.6	2009/04/24	2029/04/24	2014/04/24
JP	Not Patented			2008115218	2008/04/25		2013/06/05

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