

Doc. B/04

31 Jan 02

6 Dec 04

13 Mar 06

13 Dec 07

Formerly Doc. E/21

2 July 1986

1 Dec 1986

ADVANCED TELEVISION SYSTEMS COMMITTEE, Inc.

Patent Policy

1. **Inclusion of Patents in Specification Documents.** There is no objection in principle to drafting a Specification Document in terms that include the use of an Essential Claim, if it is considered that technical reasons justify this approach. It shall be the policy of the Advanced Television Systems Committee, Inc. (ATSC) that Essential Claims included in ATSC Specification Documents be available to implementers on reasonable and non-discriminatory terms. Prior to a vote on a Specification Document subject to a disclosed Essential Claim and no later than the time frames specified in Section 5, the ATSC shall receive from the person or entity that holds the Essential Claim written confirmation (using the attached form) that:
 - a. A license to the Essential Claim will be made available upon request without compensation to all applicants for the purpose of implementing the Specification Document, which license may be conditioned upon license reciprocity with respect to the same Specification Document; or
 - b. A license to the Essential Claim will be made available upon request under reasonable and nondiscriminatory terms and conditions to all applicants for the purpose of implementing the Specification Document, which conditions may include license reciprocity with respect to the same Specification Document; or
 - c. A license to the Essential Claim will not be provided under reasonable and nondiscriminatory terms and conditions to applicants for the purpose of implementing the Specification Document.

This written confirmation shall be submitted to the President of the ATSC for review and retained in the ATSC's files. After issuance of the ATSC Standard or Recommended Practice, the ATSC shall make the written confirmations available to Members, Observers and third parties upon request.

If a Participant submits a statement under Section 1(c), the technology group considering the Specification Document to which such Essential Claim pertains shall consider whether alternatives to including such Essential Claim are feasible. If there are no feasible alternatives, and the technology group considers that a Specification Document incorporating an Essential Claim identified by a statement under Section 1(c) is in the interests of the Membership, application shall be made to the ATSC Board of Directors for an exception to this policy. The application shall include all information supplied by the Participant, and reasons that an exception should be made. If the Board approves, work on the Specification Document may continue, but when the Specification Document is balloted to the ATSC Membership for approval, the ballot shall include information on the policy exception and the reasons for approval.

2. **Notice of Essential Claims upon a Standard or Recommended Practice.** When the ATSC receives a written confirmation as set forth in Section 1 with respect to a Proposed Standard or a Proposed Recommended Practice that becomes part of an ATSC Standard or ATSC Recommended Practice, the resulting document shall include a notice as follows:

NOTE: The user's attention is called to the possibility that compliance with this standard may require use of an invention covered by patent rights. By publication of this standard, no position is taken with respect to the validity of this claim or of any patent rights in connection therewith. One or more patent holders have, however, filed a statement regarding the terms on which such patent holder(s) may be willing to grant a license under these rights to individuals or entities desiring to obtain such a license. Details may be obtained from the ATSC Secretary and the patent holder.

3. **Disclosure of Patents.** A Participant shall disclose in writing, using the attached form, the existence of any Potential Claim of which any Representative of the Participant who is active in a technology group or specialist group has actual personal knowledge. No Participant, however, shall be required to disclose the existence of a Potential Claim owned by another entity if such a disclosure would cause that Participant to breach a contractual obligation of confidentiality. A Participant shall deliver any Disclosure Statement to the President of the ATSC. All submitted Disclosure Statements must be maintained in the ATSC's files.
4. **Contents of Patent Disclosures.** Disclosure Statements shall be submitted using the attached form and shall include (a) the name of the Participant making the Disclosure Statement and the name of the Representative responsible for the Disclosure Statement; (b) the name of the person or entity that holds the patent or patent application with the Potential Claim; (c) the patent number or published patent application number, if available, in which the Potential Claim is contained; (d) the Specification Document to which the Disclosure Statement applies; (e) an indication from the Participant that it, in good faith, believes the Potential Claim may be relevant to the implementation of the Specification Document, and (f) the written confirmation required by Section 1, if the Participant making the Disclosure Statement is the holder of the patent or patent application on which the Potential Claim is based. A Participant submitting a statement under Section 1(c) shall supply sufficient identifying information about the Potential Claim to permit it to be identified within a Specification Document.
5. **Timeframe for Patent Disclosures.** The patent disclosure obligation is an ongoing obligation that begins with participation by a Participant's Representative in the development of a Specification Document and extends through the life of the Specification Document. A Participant shall make a Disclosure Statement as soon as practically possible during the development of the Specification Document and, at the latest, within forty-five (45) business days after the Participant's Representative obtains actual knowledge of a Potential Claim relating to a Specification Document and in advance of any vote on the Specification Document. For a Participant's discovery of a Potential Claim subsequent to the adoption of the Specification Document, the Participant shall make a Disclosure Statement as soon as practically possible and, at the latest, within forty-five (45) business days after the Participant's Representative obtains

actual knowledge of the Potential Claim. ATSC shall provide notice of the patent disclosure obligations to Members in technology group and membership letter ballots.

6. **Failure to Disclose Patents.** Any Participant that (a) does not disclose its refusal to license a Potential Claim pursuant to Section 1(c), or (b) fails to submit a Disclosure Statement concerning a Potential Claim in conformance with Sections 3, 4 and 5, shall be deemed to agree to license any resulting Essential Claim to other Members and Observers and any requesting third party under reasonable and nondiscriminatory terms and conditions and shall not be entitled to make an election under Section 1(c). Any Participant's knowing failure to disclose a Potential Claim, whether by violation or manipulation of the provisions of this Policy, shall be deemed incompatible with such Participant's obligations toward ATSC and shall constitute a "failure to disclose" with consequences as defined in this paragraph. ATSC may in such a case terminate any such Participant's ability to participate in ATSC processes.
7. **No Patent Search Required.** Section 3 does not require a Representative or Participant to perform or conduct patent searches. Knowledge of Potential Claims of a Participant shall not be automatically imputed to any Representative.
8. **No Responsibility for Identifying Patents.** The ATSC shall not be responsible for identifying Essential Claims or for conducting inquiries into the legal validity or scope of Potential Claims.
9. **Non-Member Participants.** Each technology group and specialist group shall use reasonable and consistent efforts, within the discretion of its chair, to ensure that any non-Member who participates in any ATSC activity agrees to be bound by this Patent Policy. In particular, chairs of groups may require non-Member Participants to (a) execute declarations of their intention to comply with this Patent Policy, (b) to require the companies they represent to execute such declarations, or (c) to take other steps to demonstrate their knowledge of and agreement to be bound by this Patent Policy. In addition, chairs of groups shall use reasonable efforts to state at the commencement of meetings that this Patent Policy applies to all Members, Observers and non-Member Participants alike, and all email reflectors shall contain a similar message. Chairs of groups shall have the discretion to refuse input and contributions by non-Member Participants who refuse to comply with such measures.
10. **Claims in Documents Normatively Referenced.** Any patent or patent application with Essential Claims contained in a document that is normatively referenced by a Specification Document shall be subject to the disclosure requirements of this Policy. Any Participant that holds any Potential Claims in a document that is normatively referenced by a Specification Document shall make the submissions required by Sections 1 and 3 of this Policy as soon as commercially reasonable after a decision is made by a technical body to normatively reference the material on which the Potential Claims are based and in any event prior to a vote on the Specification Document at issue. No such requirements shall exist when the normatively referenced document is an ATSC document in respect of which the Participant has already made a disclosure pursuant to Section 1. No such requirements shall apply to references to materials contained in Specification Documents that are informative references rather than normative references. This section shall not imply any duty on the part of any technology group or specialist group to investigate the disclosure status of normatively referenced documents.

11. **Definitions.** Capitalized terms used herein shall have the meanings ascribed to them in this Section.

- a. “**Disclosure Statement**” means a written disclosure made pursuant to Sections 3 and 4.
- b. “**Essential Claim**” means claims of all patents issued, and patent applications filed, under the laws of any country that are necessarily infringed by implementing the normative portion of a Specification Document. An Essential Claim is “necessarily infringed” only when there is no other technically reasonable noninfringing alternative for implementing a Specification Document.
- c. “**Member**” means a voting member of the ATSC, or a voting member of a technology group, as defined in the ATSC Bylaws, or any member of a specialist group, as defined in the ATSC Bylaws.
- d. “**Observer**” means an observing member of the ATSC or an observing member of a technology group, as defined in the ATSC Bylaws.
- e. “**Participant**” means a Member, Observer, individual, or organization that participates in the development of a Specification Document within the ATSC, an ATSC technology group, or an ATSC specialist group.
- f. “**Potential Claim**” means a claim in any patent issued or granted under the laws of any country, as well as a claim in, or supported by, any pending published patent application filed under the laws of any country, of which a Representative of a Participant has actual personal knowledge and that, in the good faith judgment of such Participant’s Representative, may be an Essential Claim.
- g. “**Representative**” means a person employed by a Participant who is authorized by such Participant to represent such Participant in connection with the work of the ATSC, a technology group, as defined in the ATSC Bylaws, or a specialist group, as defined in the ATSC Bylaws.
- h. “**Specification Document**” means an ATSC Standard, an ATSC Recommended Practice, a Proposed Standard, a Proposed Recommended Practice, a Candidate Standard, or a Working Draft, as defined in the ATSC Bylaws.



Disclosure Statement and Licensing Declaration
This declaration does not represent an implied license grant

Please return to:

President - ATSC
1750 K Street NW
Suite 1200
Washington, DC 20006
202-872-9160 – Office
202-872-9161 – Fax

Discloser:	
Name of Participant	LG ELECTRONICS INC.
Name of Representative	SEONG JU, LEE
Address	19, Yangjae-daero 11gil, Seocho-gu, Seoul 137-130, Korea
Tel.	+82-2-6912-6540
Fax	+82-2-6912-6046
E-mail	seongju.lee@lge.com
URL (optional)	
Identification of ATSC Specification Document relevant to the Disclosure Statement:	
Number	A/322, A/331, A/330, A/341
Title	Physical Layer Protocol (A/322), Signaling, Delivery, Synchronization, and Error Protection (A/331), Link Layer Protocol(A/330) , Video (A/341)

Licensing Declaration

If the Discloser is the holder of a patent and/or pending patent application that is the subject of an Essential Claim, *i.e.*, the use of which it believes would be required to implement the identified ATSC Specification Document, the Discloser hereby declares, in accordance with the Statement on ATSC Patent Policy (see ATSC website), that (check one box only).

a. The Discloser agrees to make a license to the Essential Claim available without compensation upon request to all applicants for the purpose of implementing the Specification Document, which license may be conditioned upon license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.

Mark here if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.

✓ b. The Discloser agrees to make a license to the Essential Claim available upon request under reasonable and nondiscriminatory terms and conditions to all applicants for the purpose of implementing the Specification Document, which conditions may include license reciprocity with respect to the same Specification Document. Negotiations are left to the parties concerned and are performed outside of ATSC.

Mark here if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.

c. The Discloser will not make a license to the Essential Claim under reasonable and nondiscriminatory terms and conditions to applicants for the purpose of implementing the Specification Document.

Without Compensation: The phrase "without compensation" does not mean that the Discloser is waiving all of its rights with respect to each patent or patent application that is the subject matter of the Essential Claim. Rather, "without compensation" refers to the issue of monetary compensation; *i.e.*, that the Discloser will not seek any monetary compensation as part of the licensing arrangement (whether such compensation is called a royalty, a one-time licensing fee, etc.). However, while the Discloser in this situation is committing to not charging any monetary amount, the Discloser is still entitled to require that the implementer of the ATSC Specification Document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, reciprocity, warranties, etc.

Reciprocity: As used herein, the word "reciprocity" means that the Discloser shall only be required to license any prospective licensee under the stated terms (without compensation or under reasonable and nondiscriminatory terms and conditions) if such prospective licensee will commit to license its patent(s) or patent application(s) forming the subject matter of an Essential Claim under similar (without compensation or under reasonable and nondiscriminatory) terms and conditions.

Disclosure of Patents

In accordance with Sections 3 and 4 of the ATSC Patent Policy, please identify each patent or patent application forming the subject matter of any Potential Claim of which any Representative of the Discloser who is active in an ATSC technology group or specialist group has actual personal knowledge. The Discloser, in good faith, believes that the Potential Claim may be relevant to the implementation of the Specification Document identified by this Disclosure Statement.

No.	Patent / Application No.	Country	Patent/Applicaton Holder	Status [granted/ pending]
1	PCT/KR2014/000455	PC	LG ELECTRONICS INC.	PENDING
2	10-1625070	KR	LG ELECTRONICS INC.	GRANT
3	10-2016-0062393	KR	LG ELECTRONICS INC.	PENDING
4	14740629	EP	LG ELECTRONICS INC.	PENDING
5	2014-80005187	CN	LG ELECTRONICS INC.	PENDING
6	14/158573	US	LG ELECTRONICS INC.	PENDING
7	PCT/KR2014/000456	PC	LG ELECTRONICS INC.	PENDING
8	10-2015-7019494	KR	LG ELECTRONICS INC.	PENDING
9	10-2015-7019494	KR	LG ELECTRONICS INC.	PENDING
10	14740421	EP	LG ELECTRONICS INC.	PENDING
11	2014-80005216	CN	LG ELECTRONICS INC.	PENDING
12	15/153282	US	LG ELECTRONICS INC.	PENDING
13	9369325	US	LG ELECTRONICS INC.	GRANT
14	PCT/KR2014/000477	PC	LG ELECTRONICS INC.	PENDING
15	10-2015-7015326	KR	LG ELECTRONICS INC.	PENDING
16	14740764	EP	LG ELECTRONICS INC.	PENDING
17	2014-80005279	CN	LG ELECTRONICS INC.	PENDING
18	MXA2015008821	MX	LG ELECTRONICS INC.	PENDING
19	2015-549284	JP	LG ELECTRONICS INC.	PENDING
20	2894646	CA	LG ELECTRONICS INC.	PENDING
21	1549MUMNP2015	IN	LG ELECTRONICS INC.	PENDING
22	14/156966	US	LG ELECTRONICS INC.	PENDING
23	PCT/KR2014/002239	PC	LG ELECTRONICS INC.	PENDING
24	14767880	EP	LG ELECTRONICS INC.	PENDING
25	14/760952	US	LG ELECTRONICS INC.	PENDING
26	PCT/KR2014/003165	PC	LG ELECTRONICS INC.	PENDING
27	10-2015-7027182	KR	LG ELECTRONICS INC.	PENDING
28	14785146	EP	LG ELECTRONICS INC.	PENDING
29	2014-80021222	CN	LG ELECTRONICS INC.	PENDING
30	14/782913	US	LG ELECTRONICS INC.	PENDING
31	PCT/KR2014/003403	PC	LG ELECTRONICS INC.	PENDING

32	10-2015-7017120	KR	LG ELECTRONICS INC.	PENDING
33	14787926	EP	LG ELECTRONICS INC.	PENDING
34	2014-80018885	CN	LG ELECTRONICS INC.	PENDING
35	9191082	US	LG ELECTRONICS INC.	GRANT
36	14/881957	US	LG ELECTRONICS INC.	PENDING
37	PCT/KR2014/004368	PC	LG ELECTRONICS INC.	PENDING
38	10-20105-7035422	KR	LG ELECTRONICS INC.	PENDING
39	14797689	EP	LG ELECTRONICS INC.	PENDING
40	2014-80028275	CN	LG ELECTRONICS INC.	PENDING
41	MXA2015015171	MX	LG ELECTRONICS INC.	PENDING
42	14/278431	US	LG ELECTRONICS INC.	PENDING
43	PCT/KR2014/004004	PC	LG ELECTRONICS INC.	PENDING
44	10-2015-7033360	KR	LG ELECTRONICS INC.	PENDING
45	14794498	EP	LG ELECTRONICS INC.	PENDING
46	2014-80026215	CN	LG ELECTRONICS INC.	PENDING
47	2016-512828	JP	LG ELECTRONICS INC.	PENDING
48	2910135	CA	LG ELECTRONICS INC.	PENDING
49	MXa2015015070	MX	LG ELECTRONICS INC.	PENDING
50	312MUMNP2015	IN	LG ELECTRONICS INC.	PENDING
51	1120150281036	BR	LG ELECTRONICS INC.	PENDING
52	2015146740	RU	LG ELECTRONICS INC.	PENDING
53	2014263392	AU	LG ELECTRONICS INC.	PENDING
54	1201504649	VN	LG ELECTRONICS INC.	PENDING
55	201507842	SF	LG ELECTRONICS INC.	PENDING
56	15/182481	US	LG ELECTRONICS INC.	PENDING
57	9391725	US	LG ELECTRONICS INC.	GRANT
58	PCT/KR2014/004191	PC	LG ELECTRONICS INC.	PENDING
59	14/759604	US	LG ELECTRONICS INC.	PENDING
60	14795181	EP	LG ELECTRONICS INC.	PENDING
61	PCT/KR2014/004762	PC	LG ELECTRONICS INC.	PENDING
62	14/894881	US	LG ELECTRONICS INC.	PENDING
63	14803807	EP	LG ELECTRONICS INC.	PENDING
64	PCT/KR2014/005316	PC	LG ELECTRONICS INC.	PENDING
65	9246730	US	LG ELECTRONICS INC.	GRANT
66	14/970171	US	LG ELECTRONICS INC.	PENDING
67	14813304	EP	LG ELECTRONICS INC.	PENDING

68	2014-80034590	CN	LG ELECTRONICS INC.	PENDING
69	2016-521198	JP	LG ELECTRONICS INC.	PENDING
70	10-2015-7033486	KR	LG ELECTRONICS INC.	PENDING
71	PCT/KR2014/004356	PC	LG ELECTRONICS INC.	PENDING
72	14797558	EP	LG ELECTRONICS INC.	PENDING
73	14/758923	US	LG ELECTRONICS INC.	PENDING
74	PCT/KR2014/004356	PC	LG ELECTRONICS INC.	PENDING
75	14/903039	US	LG ELECTRONICS INC.	PENDING
76	14822129	EP	LG ELECTRONICS INC.	PENDING
77	2014-80039483	CN	LG ELECTRONICS INC.	PENDING
78	10-2015-7036830	KR	LG ELECTRONICS INC.	PENDING
79	PCT/KR2014/006724	PC	LG ELECTRONICS INC.	PENDING
80	2014-80042929	CN	LG ELECTRONICS INC.	PENDING
81	14832885	EP	LG ELECTRONICS INC.	PENDING
82	10-2016-7000995	KR	LG ELECTRONICS INC.	PENDING
83	15/044879	US	LG ELECTRONICS INC.	PENDING
84	9294322	US	LG ELECTRONICS INC.	GRANT
85	PCT/KR2014/005794	PC	LG ELECTRONICS INC.	PENDING
86	14/319883	US	LG ELECTRONICS INC.	PENDING
87	14819999	EP	LG ELECTRONICS INC.	PENDING
88	2014-80037493	CN	LG ELECTRONICS INC.	PENDING
89	10-2016-7000702	KR	LG ELECTRONICS INC.	PENDING
90	PCT/KR2014/006291	PC	LG ELECTRONICS INC.	PENDING
91	14825798	EP	LG ELECTRONICS INC.	PENDING
92	14/902106	US	LG ELECTRONICS INC.	PENDING
93	PCT/KR2014/005881	PC	LG ELECTRONICS INC.	PENDING
94	14820052	EP	LG ELECTRONICS INC.	PENDING
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96	10-2015-7036008	KR	LG ELECTRONICS INC.	PENDING
97	2016-523662	JP	LG ELECTRONICS INC.	PENDING
98	15/041865	US	LG ELECTRONICS INC.	PENDING
99	9294247	US	LG ELECTRONICS INC.	GRANT
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102	PCT/KR2014/006314	PC	LG ELECTRONICS INC.	PENDING
103	14825957	EP	LG ELECTRONICS INC.	PENDING
104	14/330740	US	LG ELECTRONICS INC.	PENDING
105	PCT/KR2014/006213	PC	LG ELECTRONICS INC.	PENDING
106	14823547	EP	LG ELECTRONICS INC.	PENDING
107	3025-80046442	CN	LG ELECTRONICS INC.	PENDING
108	PCT/KR2014/007371	PC	LG ELECTRONICS INC.	PENDING
109	14834418	EP	LG ELECTRONICS INC.	PENDING
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111	10-2016-7006042	KR	LG ELECTRONICS INC.	PENDING
112	14/455079	US	LG ELECTRONICS INC.	PENDING
113	PCT/KR2014/007588	PC	LG ELECTRONICS INC.	PENDING
114	14836737	EP	LG ELECTRONICS INC.	PENDING
115	2014-80045207	CN	LG ELECTRONICS INC.	PENDING
116	10-0216-7006718	KR	LG ELECTRONICS INC.	PENDING
117	1252016	EG	LG ELECTRONICS INC.	PENDING
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119	2014307164	AU	LG ELECTRONICS INC.	PENDING
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121	14/459845	US	LG ELECTRONICS INC.	PENDING
122	PCT/KR2014/007301	PC	LG ELECTRONICS INC.	PENDING
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124	2014-80050181	CN	LG ELECTRONICS INC.	PENDING
125	10-2016-7002622	KR	LG ELECTRONICS INC.	PENDING
126	14/454289	US	LG ELECTRONICS INC.	PENDING
127	PCT/KR2014/008339	PC	LG ELECTRONICS INC.	PENDING
128	14842287	EP	LG ELECTRONICS INC.	PENDING
129	10-2016-7009008	KR	LG ELECTRONICS INC.	PENDING
130	15/064199	US	LG ELECTRONICS INC.	PENDING
131	9350472	US	LG ELECTRONICS INC.	GRANT
132	PCT/KR2014/007773	PC	LG ELECTRONICS INC.	PENDING
133	14837187	EP	LG ELECTRONICS INC.	PENDING
134	2014-80046725	CN	LG ELECTRONICS INC.	PENDING
135	10-2016-7002318	KR	LG ELECTRONICS INC.	PENDING
136	2016-536038	JP	LG ELECTRONICS INC.	PENDING

137	2919834	CA	LG ELECTRONICS INC.	PENDING
138	MXa2016001883	MX	LG ELECTRONICS INC.	PENDING
139	14/465394	US	LG ELECTRONICS INC.	PENDING
140	PCT/KR2014/007586	PC	LG ELECTRONICS INC.	PENDING
141	14/909345	US	LG ELECTRONICS INC.	PENDING
142	14836167	EP	LG ELECTRONICS INC.	PENDING
143	PCT/KR2014/007517	PC	LG ELECTRONICS INC.	PENDING
144	14836883	EP	LG ELECTRONICS INC.	PENDING
145	2014-80043926	CN	LG ELECTRONICS INC.	PENDING
146	10-2016-7000646	KR	LG ELECTRONICS INC.	PENDING
147	14/458794	US	LG ELECTRONICS INC.	PENDING
148	PCT/KR2014/007592	PC	LG ELECTRONICS INC.	PENDING
149	14836062	EP	LG ELECTRONICS INC.	PENDING
150	2014-80045077	CN	LG ELECTRONICS INC.	PENDING
151	10-2016-7005551	KR	LG ELECTRONICS INC.	PENDING
152	2016-534535	JP	LG ELECTRONICS INC.	PENDING
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154	201627002750	IN	LG ELECTRONICS INC.	PENDING
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156	14/982685	US	LG ELECTRONICS INC.	PENDING
157	9253006	US	LG ELECTRONICS INC.	GRANT
158	14/911414	US	LG ELECTRONICS INC.	PENDING
159	14835743	EP	LG ELECTRONICS INC.	PENDING
160	PCT/KR2014/007462	PC	LG ELECTRONICS INC.	PENDING
161	14/911644	US	LG ELECTRONICS INC.	PENDING
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164	14/905088	US	LG ELECTRONICS INC.	PENDING
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166	2014-80043446	CN	LG ELECTRONICS INC.	PENDING
167	10-2016-7001597	KR	LG ELECTRONICS INC.	PENDING
168	PCT/KR2014/007130	PC	LG ELECTRONICS INC.	PENDING
169	14/904892	US	LG ELECTRONICS INC.	PENDING
170	14832527	EP	LG ELECTRONICS INC.	PENDING
171	2014-80043443	CN	LG ELECTRONICS INC.	PENDING

172	10-2016-7001596	KR	LG ELECTRONICS INC.	PENDING
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174	14/908410	US	LG ELECTRONICS INC.	PENDING
175	14832567	EP	LG ELECTRONICS INC.	PENDING
176	2014-80043492	CN	LG ELECTRONICS INC.	PENDING
177	10-2016-7001906	KR	LG ELECTRONICS INC.	PENDING
178	PCT/KR2014/007120	PC	LG ELECTRONICS INC.	PENDING
179	14/908433	US	LG ELECTRONICS INC.	PENDING
180	14831250	EP	LG ELECTRONICS INC.	PENDING
181	PCT/KR2014/007125	PC	LG ELECTRONICS INC.	PENDING
182	PCT/KR2014/007117	PC	LG ELECTRONICS INC.	PENDING
183	14/904894	US	LG ELECTRONICS INC.	PENDING
184	14832992	EP	LG ELECTRONICS INC.	PENDING
185	2014-80043444	CN	LG ELECTRONICS INC.	PENDING
186	10-2016-7001183	KR	LG ELECTRONICS INC.	PENDING
187	PCT/KR2014/007122	PC	LG ELECTRONICS INC.	PENDING
188	14/906415	US	LG ELECTRONICS INC.	PENDING
189	14831351	EP	LG ELECTRONICS INC.	PENDING
190	2014-80048204	CN	LG ELECTRONICS INC.	PENDING
191	10-2016-7000888	KR	LG ELECTRONICS INC.	PENDING
192	PCT/KR2014/007127	PC	LG ELECTRONICS INC.	PENDING
193	14/905692	US	LG ELECTRONICS INC.	PENDING
194	14832373	EP	LG ELECTRONICS INC.	PENDING
195	2014-80043490	CN	LG ELECTRONICS INC.	PENDING
196	10-2016-7001908	KR	LG ELECTRONICS INC.	PENDING
197	PCT/KR2014/007132	PC	LG ELECTRONICS INC.	PENDING
198	14/908771	US	LG ELECTRONICS INC.	PENDING
199	14831342	EP	LG ELECTRONICS INC.	PENDING
200	2014-80048203	CN	LG ELECTRONICS INC.	PENDING
201	2016-531535	JP	LG ELECTRONICS INC.	PENDING
202	MXa2016001355	MX	LG ELECTRONICS INC.	PENDING
203	10-2016-7000886	KR	LG ELECTRONICS INC.	PENDING
204	PCT/KR2014/007126	PC	LG ELECTRONICS INC.	PENDING
205	14/908991	US	LG ELECTRONICS INC.	PENDING

206	14832565	EP	LG ELECTRONICS INC.	PENDING
207	2014-80043447	CN	LG ELECTRONICS INC.	PENDING
208	10-2016-7001905	KR	LG ELECTRONICS INC.	PENDING
209	14/906397	US	LG ELECTRONICS INC.	PENDING
210	14832308	EP	LG ELECTRONICS INC.	PENDING
211	2014-80043491	CN	LG ELECTRONICS INC.	PENDING
212	10-2016-7001184	KR	LG ELECTRONICS INC.	PENDING
213	PCT/KR2014/007123	PC	LG ELECTRONICS INC.	PENDING
214	14/908016	US	LG ELECTRONICS INC.	PENDING
215	14831519	EP	LG ELECTRONICS INC.	PENDING
216	2014-80043445	CN	LG ELECTRONICS INC.	PENDING
217	10-2016-7001187	KR	LG ELECTRONICS INC.	PENDING
218	PCT/KR2014/007129	PC	LG ELECTRONICS INC.	PENDING
219	14/908304	US	LG ELECTRONICS INC.	PENDING
220	14832067	EP	LG ELECTRONICS INC.	PENDING
221	PCT/KR2014/007134	PC	LG ELECTRONICS INC.	PENDING
222	PCT/KR2014/007121	PC	LG ELECTRONICS INC.	PENDING
223	14/905659	US	LG ELECTRONICS INC.	PENDING
224	14832115	EP	LG ELECTRONICS INC.	PENDING
225	2014-80048185	CN	LG ELECTRONICS INC.	PENDING
226	10-2016-7001907	KR	LG ELECTRONICS INC.	PENDING
227	PCT/KR2014/007128	PC	LG ELECTRONICS INC.	PENDING
228	14/908826	US	LG ELECTRONICS INC.	PENDING
229	14832036	EP	LG ELECTRONICS INC.	PENDING
230	2014-80043489	CN	LG ELECTRONICS INC.	PENDING
231	10-2016-7001185	KR	LG ELECTRONICS INC.	PENDING
232	PCT/KR2014/008910	PC	LG ELECTRONICS INC.	PENDING
233	14848668	EP	LG ELECTRONICS INC.	PENDING
234	2014-80052306	CN	LG ELECTRONICS INC.	PENDING
235	2016-544297	JP	LG ELECTRONICS INC.	PENDING
236	10-2016-7006021	KR	LG ELECTRONICS INC.	PENDING
237	2924985	CA	LG ELECTRONICS INC.	PENDING
238	15/040469	US	LG ELECTRONICS INC.	PENDING
239	9294325	US	LG ELECTRONICS INC.	GRANT
240	15/025055	US	LG ELECTRONICS INC.	PENDING

241	14848187	EP	LG ELECTRONICS INC.	PENDING
242	2014-80053513	CN	LG ELECTRONICS INC.	PENDING
243	PCT/KR2014/008971	PC	LG ELECTRONICS INC.	PENDING
244	PCT/KR2014/008911	PC	LG ELECTRONICS INC.	PENDING
245	14/495386	US	LG ELECTRONICS INC.	PENDING
246	14847769	EP	LG ELECTRONICS INC.	PENDING
247	2014-80053147	CN	LG ELECTRONICS INC.	PENDING
248	10-2016-7007222	KR	LG ELECTRONICS INC.	PENDING
249	PCT/KR2014/010625	PC	LG ELECTRONICS INC.	PENDING
250	14864641	EP	LG ELECTRONICS INC.	PENDING
251	2014-80064333	CN	LG ELECTRONICS INC.	PENDING
252	10-2016-7013728	KR	LG ELECTRONICS INC.	PENDING
253	14/549126	US	LG ELECTRONICS INC.	PENDING
254	PCT/KR2014/010583	PC	LG ELECTRONICS INC.	PENDING
255	14865613	EP	LG ELECTRONICS INC.	PENDING
256	2014-80063915	CN	LG ELECTRONICS INC.	PENDING
257	2016-535104	JP	LG ELECTRONICS INC.	PENDING
258	201627014501	IN	LG ELECTRONICS INC.	PENDING
259	10-2016-7012283	KR	LG ELECTRONICS INC.	PENDING
260	14/962719	US	LG ELECTRONICS INC.	PENDING
261	9240862	US	LG ELECTRONICS INC.	GRANT
262	PCT/KR2014/011309	PC	LG ELECTRONICS INC.	PENDING
263	14864969	EP	LG ELECTRONICS INC.	PENDING
264	2014-80064398	CN	LG ELECTRONICS INC.	PENDING
265	10-2016-7013727	KR	LG ELECTRONICS INC.	PENDING
266	14/992496	US	LG ELECTRONICS INC.	PENDING
267	9276687	US	LG ELECTRONICS INC.	GRANT
268	PCT/KR2014/010818	PC	LG ELECTRONICS INC.	PENDING
269	14859719	EP	LG ELECTRONICS INC.	PENDING
270	2014-80061765	CN	LG ELECTRONICS INC.	PENDING
271	2016-553197	JP	LG ELECTRONICS INC.	PENDING
272	10-2016-7012188	KR	LG ELECTRONICS INC.	PENDING
273	14/538123	US	LG ELECTRONICS INC.	PENDING
274	9246635	US	LG ELECTRONICS INC.	GRANT

275	PCT/KR2014/010993	PC	LG ELECTRONICS INC.	PENDING
276	14862736	EP	LG ELECTRONICS INC.	PENDING
277	2014-80062874	CN	LG ELECTRONICS INC.	PENDING
278	2016-544159	JP	LG ELECTRONICS INC.	PENDING
279	10-2016-7014255	KR	LG ELECTRONICS INC.	PENDING
280	14/541885	US	LG ELECTRONICS INC.	PENDING
281	9379928	US	LG ELECTRONICS INC.	GRANT
282	PCT/KR2014/010579	PC	LG ELECTRONICS INC.	PENDING
283	14862736	EP	LG ELECTRONICS INC.	PENDING
284	2014-80062874	CN	LG ELECTRONICS INC.	PENDING
285	2016-544159	JP	LG ELECTRONICS INC.	PENDING
286	10-2016-7012182	KR	LG ELECTRONICS INC.	PENDING
287	14/540519	US	LG ELECTRONICS INC.	PENDING
288	9379928	US	LG ELECTRONICS INC.	GRANT
289	PCT/KR2014/010912	PC	LG ELECTRONICS INC.	PENDING
290	14861897	EP	LG ELECTRONICS INC.	PENDING
291	2014-80062000	CN	LG ELECTRONICS INC.	PENDING
292	2016-550445	JP	LG ELECTRONICS INC.	PENDING
293	10-2016-7008522	KR	LG ELECTRONICS INC.	PENDING
294	MXa2016005903	MX	LG ELECTRONICS INC.	PENDING
295	2927870	CA	LG ELECTRONICS INC.	PENDING
296	201627012583	IN	LG ELECTRONICS INC.	PENDING
297	14/989487	US	LG ELECTRONICS INC.	PENDING
298	9264476	US	LG ELECTRONICS INC.	GRANT
299	PCT/KR2014/010914	PC	LG ELECTRONICS INC.	PENDING
300	14861249	EP	LG ELECTRONICS INC.	PENDING
301	2014-80062170	CN	LG ELECTRONICS INC.	PENDING
302	2016-552391	JP	LG ELECTRONICS INC.	PENDING
303	10-2016-7010045	KR	LG ELECTRONICS INC.	PENDING
304	14/930289	US	LG ELECTRONICS INC.	PENDING
305	9240916	US	LG ELECTRONICS INC.	GRANT
306	PCT/KR2015/001696	PC	LG ELECTRONICS INC.	PENDING
307	15752709	EP	LG ELECTRONICS INC.	PENDING
308	2015-80008012	CN	LG ELECTRONICS INC.	PENDING

309	2016-553386	JP	LG ELECTRONICS INC.	PENDING
310	10-2016-7017073	KR	LG ELECTRONICS INC.	PENDING
311	14/627377	US	LG ELECTRONICS INC.	PENDING
312	PCT/KR2014/011777	PC	LG ELECTRONICS INC.	PENDING
313	14867076	EP	LG ELECTRONICS INC.	PENDING
314	2014-80065754	CN	LG ELECTRONICS INC.	PENDING
315	2016-536200	JP	LG ELECTRONICS INC.	PENDING
316	10-2016-7010264	KR	LG ELECTRONICS INC.	PENDING
317	MXa2016006710	MX	LG ELECTRONICS INC.	PENDING
318	1-2016-01961	VN	LG ELECTRONICS INC.	PENDING
319	15/217644	US	LG ELECTRONICS INC.	PENDING
320	14/948729	US	LG ELECTRONICS INC.	PENDING
321	9219630	US	LG ELECTRONICS INC.	GRANT
322	PCT/KR2015/000083	PC	LG ELECTRONICS INC.	PENDING
323	15734910	EP	LG ELECTRONICS INC.	PENDING
324	2015-80004102	CN	LG ELECTRONICS INC.	PENDING
325	14/591736	US	LG ELECTRONICS INC.	PENDING
326	PCT/KR2014/011703	PC	LG ELECTRONICS INC.	PENDING
327	14868504	EP	LG ELECTRONICS INC.	PENDING
328	2014-80066628	CN	LG ELECTRONICS INC.	PENDING
329	2016-536563	JP	LG ELECTRONICS INC.	PENDING
330	10-2016-7010620	KR	LG ELECTRONICS INC.	PENDING
331	14/559213	US	LG ELECTRONICS INC.	PENDING
332	PCT/KR2015/000410	PC	LG ELECTRONICS INC.	PENDING
333	14/618725	US	LG ELECTRONICS INC.	PENDING
334	PCT/KR2015/001225	PC	LG ELECTRONICS INC.	PENDING
335	10-2016-7023974	KR	LG ELECTRONICS INC.	PENDING
336	15/048555	US	LG ELECTRONICS INC.	PENDING
337	9337956	US	LG ELECTRONICS INC.	GRANT
338	PCT/KR2015/000058	PC	LG ELECTRONICS INC.	PENDING
339	10-2016-7010265	KR	LG ELECTRONICS INC.	PENDING
340	14/616218	US	LG ELECTRONICS INC.	PENDING
341	PCT/KR2014/011353	PC	LG ELECTRONICS INC.	PENDING
342	14863149	EP	LG ELECTRONICS INC.	PENDING

343	9210022	US	LG ELECTRONICS INC.	GRANT
344	9397787	US	LG ELECTRONICS INC.	GRANT
345	15/180887	US	LG ELECTRONICS INC.	PENDING
346	2014-80064397	CN	LG ELECTRONICS INC.	PENDING
347	2016-555433	JP	LG ELECTRONICS INC.	PENDING
348	10-2016-7013459	KR	LG ELECTRONICS INC.	PENDING
349	PCT/KR2014/011007	PC	LG ELECTRONICS INC.	PENDING
350	14864899	EP	LG ELECTRONICS INC.	PENDING
351	2014-80062785	CN	LG ELECTRONICS INC.	PENDING
352	10-2016-7008655	KR	LG ELECTRONICS INC.	PENDING
353	14/549262	US	LG ELECTRONICS INC.	PENDING
354	PCT/KR2015/000706	PC	LG ELECTRONICS INC.	PENDING
355	15741101	EP	LG ELECTRONICS INC.	PENDING
356	2015-80005030	CN	LG ELECTRONICS INC.	PENDING
357	10-2016-7018946	KR	LG ELECTRONICS INC.	PENDING
358	14/604417	US	LG ELECTRONICS INC.	PENDING
359	9043687	US	LG ELECTRONICS INC.	GRANT
360	9300327	US	LG ELECTRONICS INC.	GRANT
361	15/046111	US	LG ELECTRONICS INC.	PENDING
362	2016-10035249	CN	LG ELECTRONICS INC.	PENDING
363	9258164	US	LG ELECTRONICS INC.	GRANT
364	14/981558	US	LG ELECTRONICS INC.	PENDING
365	2014-10195791	CN	LG ELECTRONICS INC.	PENDING
366	2014-10195804	CN	LG ELECTRONICS INC.	PENDING
367	ZL200880107560X	CN	LG ELECTRONICS INC.	GRANT
368	2014-10108356	CN	LG ELECTRONICS INC.	PENDING
369	2014-10108357	CN	LG ELECTRONICS INC.	PENDING
370	2014-10108514	CN	LG ELECTRONICS INC.	PENDING
371	2014-10108768	CN	LG ELECTRONICS INC.	PENDING
372	2014-10108518	CN	LG ELECTRONICS INC.	PENDING
373	9148251	US	LG ELECTRONICS INC.	GRANT
374	9450799	US	LG ELECTRONICS INC.	GRANT
375	15/213080	US	LG ELECTRONICS INC.	PENDING
376	2013-10636998	CN	LG ELECTRONICS INC.	PENDING

377	2013-10637166	CN	LG ELECTRONICS INC.	PENDING
378	2014-10408849	CN	LG ELECTRONICS INC.	PENDING
379	9094276	US	LG ELECTRONICS INC.	GRANT
380	14/741704	US	LG ELECTRONICS INC.	PENDING
381	14/141333	US	LG ELECTRONICS INC.	PENDING
382	10-2011-7018701	KR	LG ELECTRONICS INC.	PENDING
383	10-2015-7034807	KR	LG ELECTRONICS INC.	PENDING
384	10-2016-7024746	KR	LG ELECTRONICS INC.	PENDING
385	9094136	US	LG ELECTRONICS INC.	GRANT
386	14/743077	US	LG ELECTRONICS INC.	PENDING
387	14/160827	US	LG ELECTRONICS INC.	PENDING
388	10-1556170	KR	LG ELECTRONICS INC.	GRANT
389	14/305974	US	LG ELECTRONICS INC.	PENDING
390	15/250257	US	LG ELECTRONICS INC.	PENDING
391	2013-10681100	CN	LG ELECTRONICS INC.	PENDING
392	2014-10197203	CN	LG ELECTRONICS INC.	PENDING
393	2014-10123865	CN	LG ELECTRONICS INC.	PENDING
394	10-1556166	KR	LG ELECTRONICS INC.	GRANT
395	10-1556169	KR	LG ELECTRONICS INC.	GRANT
396	10-1570355	KR	LG ELECTRONICS INC.	GRANT
397	10-1596850	KR	LG ELECTRONICS INC.	GRANT
398	10-1638925	KR	LG ELECTRONICS INC.	GRANT
399	10-2016-7017661	KR	LG ELECTRONICS INC.	PENDING
400	2014-10005794	CN	LG ELECTRONICS INC.	PENDING
401	10-1556168	KR	LG ELECTRONICS INC.	GRANT
402	2014-10347471	CN	LG ELECTRONICS INC.	PENDING
403	10-1556167	KR	LG ELECTRONICS INC.	GRANT
404	2014-10155044	CN	LG ELECTRONICS INC.	PENDING
405	2014-10136431	CN	LG ELECTRONICS INC.	PENDING
406	2014-10114314	CN	LG ELECTRONICS INC.	PENDING
407	13/993958	US	LG ELECTRONICS INC.	PENDING
408	9325438	US	LG ELECTRONICS INC.	GRANT
409	15/056581	US	LG ELECTRONICS INC.	PENDING

410	9385823	US	LG ELECTRONICS INC.	GRANT
411	14/663144	US	LG ELECTRONICS INC.	PENDING
412	14/200648	US	LG ELECTRONICS INC.	PENDING
413	14/524624	US	LG ELECTRONICS INC.	PENDING
414	14/203,100	US	LG ELECTRONICS INC.	PENDING
415	9369757	US	LG ELECTRONICS INC.	GRANT
416	9456234	US	LG ELECTRONICS INC.	GRANT
417	9300435	US	LG ELECTRONICS INC.	GRANT
418	15/048695	US	LG ELECTRONICS INC.	PENDING
419	9197472	US	LG ELECTRONICS INC.	GRANT
420	9363791	US	LG ELECTRONICS INC.	GRANT
421	15/148883	US	LG ELECTRONICS INC.	PENDING
422	14/202962	US	LG ELECTRONICS INC.	PENDING
423	9348691	US	LG ELECTRONICS INC.	GRANT
424	14/198454	US	LG ELECTRONICS INC.	PENDING
425	14/542062	US	LG ELECTRONICS INC.	PENDING
426	9258581	US	LG ELECTRONICS INC.	GRANT
427	14/987436	US	LG ELECTRONICS INC.	PENDING
428	8984381	US	LG ELECTRONICS INC.	GRANT
429	9178536	US	LG ELECTRONICS INC.	GRANT
430	9425827	US	LG ELECTRONICS INC.	GRANT
431	15/208161	US	LG ELECTRONICS INC.	PENDING
432	14/242550	US	LG ELECTRONICS INC.	PENDING
433	14/197046	US	LG ELECTRONICS INC.	PENDING
434	9392281	US	LG ELECTRONICS INC.	GRANT
435	15/201026	US	LG ELECTRONICS INC.	PENDING
436	9270392	US	LG ELECTRONICS INC.	GRANT
437	15/008096	US	LG ELECTRONICS INC.	PENDING
438	9450871	US	LG ELECTRONICS INC.	GRANT
439	10-1581365	KR	LG ELECTRONICS INC.	GRANT
440	10-1654068	KR	LG ELECTRONICS INC.	GRANT
441	10-2016-0118013	KR	LG ELECTRONICS INC.	PENDING
442	10-2016-0105452	KR	LG ELECTRONICS INC.	PENDING
443	14/229548	US	LG ELECTRONICS INC.	PENDING
444	8954829	US	LG ELECTRONICS INC.	GRANT
445	9184770	US	LG ELECTRONICS INC.	GRANT
446	9444579	US	LG ELECTRONICS INC.	GRANT
447	15/231407	US	LG ELECTRONICS INC.	PENDING
448	2698298	CA	LG ELECTRONICS INC.	PENDING
449	9240865	US	LG ELECTRONICS INC.	GRANT
450	14/965477	US	LG ELECTRONICS INC.	PENDING
451	14/873666	US	LG ELECTRONICS INC.	PENDING

452	9385876	US	LG ELECTRONICS INC.	GRANT
453	15/170514	US	LG ELECTRONICS INC.	PENDING
454	14/254639	US	LG ELECTRONICS INC.	PENDING
455	14/104956	US	LG ELECTRONICS INC.	PENDING
456	14/142304	US	LG ELECTRONICS INC.	PENDING
457	9357040	US	LG ELECTRONICS INC.	GRANT
458	15/143184	US	LG ELECTRONICS INC.	PENDING
459	10-2009-0037296	KR	LG ELECTRONICS INC.	PENDING
460	10-1527034	KR	LG ELECTRONICS INC.	GRANT
461	10-2015-0013257	KR	LG ELECTRONICS INC.	PENDING
462	10-2016-0007934	KR	LG ELECTRONICS INC.	PENDING
463	10-1527036	KR	LG ELECTRONICS INC.	GRANT
464	10-1520714	KR	LG ELECTRONICS INC.	GRANT
465	14/444847	US	LG ELECTRONICS INC.	PENDING
466	14/254606	US	LG ELECTRONICS INC.	PENDING
467	15/018121	US	LG ELECTRONICS INC.	PENDING
468	9294884	US	LG ELECTRONICS INC.	GRANT
469	10-2009-0062120	KR	LG ELECTRONICS INC.	PENDING
470	10-2009-0070868	KR	LG ELECTRONICS INC.	PENDING
471	10-1567833	KR	LG ELECTRONICS INC.	GRANT
472	10-1622217	KR	LG ELECTRONICS INC.	GRANT
473	10-2016-0057022	KR	LG ELECTRONICS INC.	PENDING
474	10-1571737	KR	LG ELECTRONICS INC.	GRANT
475	10-2015-0183960	KR	LG ELECTRONICS INC.	PENDING
476	14/458030	US	LG ELECTRONICS INC.	PENDING
477	10-2009-0104087	KR	LG ELECTRONICS INC.	PENDING
478	14/728578	US	LG ELECTRONICS INC.	PENDING
479	14/510521	US	LG ELECTRONICS INC.	PENDING
480	14/590728	US	LG ELECTRONICS INC.	PENDING
481	14/540874	US	LG ELECTRONICS INC.	PENDING
482	14/584194	US	LG ELECTRONICS INC.	PENDING
483	14/584232	US	LG ELECTRONICS INC.	PENDING
484	14/319415	US	LG ELECTRONICS INC.	PENDING
485	14/514056	US	LG ELECTRONICS INC.	PENDING
486	14/275591	US	LG ELECTRONICS INC.	PENDING
487	14/513115	US	LG ELECTRONICS INC.	PENDING
488	14/320180	US	LG ELECTRONICS INC.	PENDING
489	14/341583	US	LG ELECTRONICS INC.	PENDING

490	14/320115	US	LG ELECTRONICS INC.	PENDING
491	14/451274	US	LG ELECTRONICS INC.	PENDING
492	14/548049	US	LG ELECTRONICS INC.	PENDING
493	14/492925	US	LG ELECTRONICS INC.	PENDING
494	14/457875	US	LG ELECTRONICS INC.	PENDING
495	14/484703	US	LG ELECTRONICS INC.	PENDING
496	14/552652	US	LG ELECTRONICS INC.	PENDING
497	14/467982	US	LG ELECTRONICS INC.	PENDING
498	14/597065	US	LG ELECTRONICS INC.	PENDING
499	14/540800	US	LG ELECTRONICS INC.	PENDING
500	14/445888	US	LG ELECTRONICS INC.	PENDING
501	RE45887	US	LG ELECTRONICS INC.	GRANT
502	15/008242	US	LG ELECTRONICS INC.	PENDING
503	14/546909	US	LG ELECTRONICS INC.	PENDING
504	14/552126	US	LG ELECTRONICS INC.	PENDING
505	14/292271	US	LG ELECTRONICS INC.	PENDING
506	14/549455	US	LG ELECTRONICS INC.	PENDING
507	14/483910	US	LG ELECTRONICS INC.	PENDING
508	14/224851	US	LG ELECTRONICS INC.	PENDING
509	9232359	US	LG ELECTRONICS INC.	GRANT
510	9130809	US	LG ELECTRONICS INC.	GRANT
511	9246732	US	LG ELECTRONICS INC.	GRANT
512	14/981573	US	LG ELECTRONICS INC.	PENDING
513	14/097098	US	LG ELECTRONICS INC.	PENDING
514	RE45523	US	LG ELECTRONICS INC.	GRANT
515	14/684747	US	LG ELECTRONICS INC.	PENDING
516	14/469339	US	LG ELECTRONICS INC.	PENDING
517	15/152309	US	LG ELECTRONICS INC.	PENDING
518	RE46039	US	LG ELECTRONICS INC.	GRANT
519	14/328054	US	LG ELECTRONICS INC.	PENDING
520	14/533387	US	LG ELECTRONICS INC.	PENDING
521	14/638811	US	LG ELECTRONICS INC.	PENDING
522	14/167913	US	LG ELECTRONICS INC.	PENDING
523	14/109792	US	LG ELECTRONICS INC.	PENDING
524	9197383	US	LG ELECTRONICS INC.	GRANT
525	14/886582	US	LG ELECTRONICS INC.	PENDING
526	14/593936	US	LG ELECTRONICS INC.	PENDING
527	14/990370	US	LG ELECTRONICS INC.	PENDING
528	9258800	US	LG ELECTRONICS INC.	GRANT
529	14/478796	US	LG ELECTRONICS INC.	PENDING
530	9264160	US	LG ELECTRONICS INC.	GRANT
531	14/984817	US	LG ELECTRONICS INC.	PENDING
532	14/511896	US	LG ELECTRONICS INC.	PENDING

533	14/598956	US	LG ELECTRONICS INC.	PENDING
534	ZL201010161920	CN	LG ELECTRONICS INC.	GRANT
535	2015-10237407	CN	LG ELECTRONICS INC.	PENDING
536	15/136493	US	LG ELECTRONICS INC.	PENDING
537	9363040	US	LG ELECTRONICS INC.	GRANT
538	PCT/KR2015/003449	PC	LG ELECTRONICS INC.	PENDING
539	14/681672	KR	LG ELECTRONICS INC.	PENDING
540	14/681672	US	LG ELECTRONICS INC.	PENDING
541	PCT/KR2015/003448	PC	LG ELECTRONICS INC.	PENDING
542	14/681158	US	LG ELECTRONICS INC.	PENDING
543	PCT/KR2015/004779	PC	LG ELECTRONICS INC.	PENDING
544	14/722658	US	LG ELECTRONICS INC.	PENDING
545	PCT/KR2015/001796	PC	LG ELECTRONICS INC.	PENDING
546	PCT/KR2015/004780	PC	LG ELECTRONICS INC.	PENDING
547	14/723098	US	LG ELECTRONICS INC.	PENDING
548	PCT/KR2015/002128	PC	LG ELECTRONICS INC.	PENDING
549	2015-80002622	CN	LG ELECTRONICS INC.	PENDING
550	10-2016-7011054	KR	LG ELECTRONICS INC.	PENDING
551	14/692889	US	LG ELECTRONICS INC.	PENDING
552	PCT/KR2015/002127	PC	LG ELECTRONICS INC.	PENDING
553	14/693140	US	LG ELECTRONICS INC.	PENDING
554	PCT/KR2015/003246	PC	LG ELECTRONICS INC.	PENDING
555	14/690838	US	LG ELECTRONICS INC.	PENDING
556	PCT/KR2015/005475	PC	LG ELECTRONICS INC.	PENDING
557	14/728116	US	LG ELECTRONICS INC.	PENDING
558	PCT/KR2015/005466	PC	LG ELECTRONICS INC.	PENDING
559	15/146211	US	LG ELECTRONICS INC.	PENDING
560	14/728205	US	LG ELECTRONICS INC.	PENDING
561	PCT/KR2015/003980	PC	LG ELECTRONICS INC.	PENDING
562	14/711987	US	LG ELECTRONICS INC.	PENDING
563	PCT/KR2015/003981	PC	LG ELECTRONICS INC.	PENDING
564	14/712021	US	LG ELECTRONICS INC.	PENDING
565	PCT/KR2015/005467	PC	LG ELECTRONICS INC.	PENDING
566	15/199177	US	LG ELECTRONICS INC.	PENDING
567	14/755946	US	LG ELECTRONICS INC.	PENDING

568	PCT/KR2015/005458	PC	LG ELECTRONICS INC.	PENDING
569	104118532	TW	LG ELECTRONICS INC.	PENDING
570	15/182220	US	LG ELECTRONICS INC.	PENDING
571	14/744490	US	LG ELECTRONICS INC.	PENDING
572	PCT/KR2015/005771	PC	LG ELECTRONICS INC.	PENDING
573	14/755168	US	LG ELECTRONICS INC.	PENDING
574	PCT/KR2015/005760	PC	LG ELECTRONICS INC.	PENDING
575	15/215118	US	LG ELECTRONICS INC.	PENDING
576	14/750018	US	LG ELECTRONICS INC.	PENDING
577	14/788062	US	LG ELECTRONICS INC.	PENDING
578	14/823762	US	LG ELECTRONICS INC.	PENDING
579	PCT/KR2015/007449	PC	LG ELECTRONICS INC.	PENDING
580	14/837542	US	LG ELECTRONICS INC.	PENDING
581	PCT/KR2015/007450	PC	LG ELECTRONICS INC.	PENDING
582	14/837729	US	LG ELECTRONICS INC.	PENDING
583	PCT/KR2015/009104	PC	LG ELECTRONICS INC.	PENDING
584	14/848651	US	LG ELECTRONICS INC.	PENDING
585	PCT/KR2015/008875	PC	LG ELECTRONICS INC.	PENDING
586	104128174	TW	LG ELECTRONICS INC.	PENDING
587	14/863899	US	LG ELECTRONICS INC.	PENDING
588	PCT/KR2015/007027	PC	LG ELECTRONICS INC.	PENDING
589	14/842308	US	LG ELECTRONICS INC.	PENDING
590	PCT/KR2015/007028	PC	LG ELECTRONICS INC.	PENDING
591	104127035	TW	LG ELECTRONICS INC.	PENDING
592	14/841957	US	LG ELECTRONICS INC.	PENDING
593	PCT/KR2015/008886	PC	LG ELECTRONICS INC.	PENDING
594	15866683	EP	LG ELECTRONICS INC.	PENDING
595	14/853291	US	LG ELECTRONICS INC.	PENDING
596	PCT/KR2015/008877	PC	LG ELECTRONICS INC.	PENDING
597	15867681	EP	LG ELECTRONICS INC.	PENDING
598	14/853352	US	LG ELECTRONICS INC.	PENDING
599	PCT/KR2015/007023	PC	LG ELECTRONICS INC.	PENDING
600	14/918350	US	LG ELECTRONICS INC.	PENDING
601	PCT/KR2015/007024	PC	LG ELECTRONICS INC.	PENDING
602	104127034	TW	LG ELECTRONICS INC.	PENDING
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604	PCT/KR2015/007022	PC	LG ELECTRONICS INC.	PENDING

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610	15/161925	US	LG ELECTRONICS INC.	PENDING
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631	2014-10025555	CN	LG ELECTRONICS INC.	PENDING
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633	15/052522	US	LG ELECTRONICS INC.	PENDING
634	PCT/KR2015/008615	PC	LG ELECTRONICS INC.	PENDING
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636	PCT/KR2015/010382	PC	LG ELECTRONICS INC.	PENDING
637	15/085417	US	LG ELECTRONICS INC.	PENDING
638	PCT/KR2016/000891	PC	LG ELECTRONICS INC.	PENDING
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654	PCT/KR2015/011831	PC	LG ELECTRONICS INC.	PENDING
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668	PCT/KR2015/011578	PC	LG ELECTRONICS INC.	PENDING
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675	15/091379	US	LG ELECTRONICS INC.	PENDING
676	10-1634188	KR	LG ELECTRONICS INC.	GRANT

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679	10-2015-7031838	KR	LG ELECTRONICS INC.	PENDING
680	10-2016-7007273	KR	LG ELECTRONICS INC.	PENDING
681	10-2016-7024745	KR	LG ELECTRONICS INC.	PENDING
682	10-1556152	KR	LG ELECTRONICS INC.	GRANT
683	10-2009-0095107	KR	LG ELECTRONICS INC.	PENDING
684	10-2016-0073807	KR	LG ELECTRONICS INC.	PENDING
685	10-2013-7016186	KR	LG ELECTRONICS INC.	PENDING
686	10-1580164	KR	LG ELECTRONICS INC.	GRANT
687	10-1580166	KR	LG ELECTRONICS INC.	GRANT
688	10-1596849	KR	LG ELECTRONICS INC.	GRANT
689	10-2015-0189581	KR	LG ELECTRONICS INC.	PENDING
690	10-2015-0154665	KR	LG ELECTRONICS INC.	PENDING
691	10-2016-0024579	KR	LG ELECTRONICS INC.	PENDING
692	10-1568709	KR	LG ELECTRONICS INC.	GRANT
693	10-2015-0173409	KR	LG ELECTRONICS INC.	PENDING
694	10-2016-0068331	KR	LG ELECTRONICS INC.	PENDING
695	10-2014-0030530	KR	LG ELECTRONICS INC.	PENDING
696	15/094182	US	LG ELECTRONICS INC.	PENDING
697	13/145921	US	LG ELECTRONICS INC.	PENDING
698	10-1570351	KR	LG ELECTRONICS INC.	GRANT
699	10-1608789	KR	LG ELECTRONICS INC.	GRANT
700	16173438	EP	LG ELECTRONICS INC.	PENDING
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703	15/087670	US	LG ELECTRONICS INC.	PENDING
704	PCT/KR2016/000985	PC	LG ELECTRONICS INC.	PENDING
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709	RE44109	US	LG ELECTRONICS INC.	GRANT
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712	8989304	US	LG ELECTRONICS INC.	GRANT

713	9094156	US	LG ELECTRONICS INC.	GRANT
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715	8213464	US	LG ELECTRONICS INC.	GRANT
716	7558297	US	LG ELECTRONICS INC.	GRANT
717	8238381	US	LG ELECTRONICS INC.	GRANT
718	975204	US	LG ELECTRONICS INC.	GRANT
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720	8184666	US	LG ELECTRONICS INC.	GRANT
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723	10-0351829	KR	LG ELECTRONICS INC.	GRANT
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726	7,474,703	US	LG ELECTRONICS INC.	GRANT
727	7,706,449	US	LG ELECTRONICS INC.	GRANT
728	8,743,971	US	LG ELECTRONICS INC.	GRANT
729	8428150	US	LG ELECTRONICS INC.	GRANT
730	ZL01137602.3	CN	LG ELECTRONICS INC.	GRANT
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734	7167212	US	LG ELECTRONICS INC.	GRANT
735	7289162	US	LG ELECTRONICS INC.	GRANT
736	7317491	US	LG ELECTRONICS INC.	GRANT
737	7256839	US	LG ELECTRONICS INC.	GRANT
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739	7298421	US	LG ELECTRONICS INC.	GRANT
740	7327403	US	LG ELECTRONICS INC.	GRANT
741	7319495	US	LG ELECTRONICS INC.	GRANT
742	7298422	US	LG ELECTRONICS INC.	GRANT
743	7259797	US	LG ELECTRONICS INC.	GRANT
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747	6922215	US	LG ELECTRONICS INC.	GRANT
748	6924847	US	LG ELECTRONICS INC.	GRANT
749	7030935	US	LG ELECTRONICS INC.	GRANT
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751	7630019	US	LG ELECTRONICS INC.	GRANT
752	7649572	US	LG ELECTRONICS INC.	GRANT
753	7787053	US	LG ELECTRONICS INC.	GRANT
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761	186466	TW	LG ELECTRONICS INC.	GRANT
762	AR032506B1	AR	LG ELECTRONICS INC.	GRANT
763	2403133	CA	LG ELECTRONICS INC.	GRANT
764	ZL01806707.7	CN	LG ELECTRONICS INC.	GRANT
765	ZL200610077361.1	CN	LG ELECTRONICS INC.	GRANT
766	227907	MX	LG ELECTRONICS INC.	GRANT
767	200109363	BR	LG ELECTRONICS INC.	PENDING
768	10-0706508	KR	LG ELECTRONICS INC.	GRANT
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772	10-1162213	KR	LG ELECTRONICS INC.	GRANT
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777	8020066	US	LG ELECTRONICS INC.	GRANT
778	8103932	US	LG ELECTRONICS INC.	GRANT
779	8171369	US	LG ELECTRONICS INC.	GRANT
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783	8689086	US	LG ELECTRONICS INC.	GRANT
784	10-1275208	KR	LG ELECTRONICS INC.	GRANT
785	8351497	US	LG ELECTRONICS INC.	GRANT
786	8804817	US	LG ELECTRONICS INC.	GRANT
787	10-1191198	KR	LG ELECTRONICS INC.	GRANT
788	8144788	US	LG ELECTRONICS INC.	GRANT
789	8520743	US	LG ELECTRONICS INC.	GRANT
790	MXa2011004721	MX	LG ELECTRONICS INC.	PENDING
791	2655302	CA	LG ELECTRONICS INC.	GRANT

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794	7903758	US	LG ELECTRONICS INC.	GRANT
795	8094750	US	LG ELECTRONICS INC.	GRANT
796	8320498	US	LG ELECTRONICS INC.	GRANT
797	ZL200780029555.7	CN	LG ELECTRONICS INC.	GRANT
798	286131	MX	LG ELECTRONICS INC.	GRANT
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803	8428151	US	LG ELECTRONICS INC.	GRANT
804	288148	MX	LG ELECTRONICS INC.	GRANT
805	2661829	CA	LG ELECTRONICS INC.	GRANT
806	10-1253176	KR	LG ELECTRONICS INC.	GRANT
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808	8711960	US	LG ELECTRONICS INC.	GRANT
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810	2667985	CA	LG ELECTRONICS INC.	GRANT
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813	8611731	US	LG ELECTRONICS INC.	GRANT
814	283421	MX	LG ELECTRONICS INC.	GRANT
815	314148	MX	LG ELECTRONICS INC.	GRANT
816	2667987	CA	LG ELECTRONICS INC.	GRANT
817	10-1253178	KR	LG ELECTRONICS INC.	GRANT
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829	8396051	US	LG ELECTRONICS INC.	GRANT
830	286248	MX	LG ELECTRONICS INC.	GRANT

831	2671994	CA	LG ELECTRONICS INC.	GRANT
832	8149948	US	LG ELECTRONICS INC.	GRANT
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835	312646	MX	LG ELECTRONICS INC.	GRANT
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881	8213544	US	LG ELECTRONICS INC.	GRANT
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883	14/018307	US	LG ELECTRONICS INC.	PENDING
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892	7733426	US	LG ELECTRONICS INC.	GRANT
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916	10-0921472	KR	LG ELECTRONICS INC.	GRANT
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919	P080101413	AR	LG ELECTRONICS INC.	PENDING
920	9412008	CL	LG ELECTRONICS INC.	PENDING
921	283412	MX	LG ELECTRONICS INC.	GRANT
922	2682343	CA	LG ELECTRONICS INC.	GRANT
923	10-1276863	KR	LG ELECTRONICS INC.	GRANT
924	10-0914714	KR	LG ELECTRONICS INC.	GRANT
925	7844009	US	LG ELECTRONICS INC.	GRANT
926	AR066033B1	AR	LG ELECTRONICS INC.	GRANT
927	10042008	CL	LG ELECTRONICS INC.	PENDING
928	2682947	CA	LG ELECTRONICS INC.	GRANT
929	287216	MX	LG ELECTRONICS INC.	GRANT
930	7831885	US	LG ELECTRONICS INC.	GRANT
931	8042019	US	LG ELECTRONICS INC.	GRANT
932	8201050	US	LG ELECTRONICS INC.	GRANT
933	13/486987	US	LG ELECTRONICS INC.	PENDING
934	8433973	US	LG ELECTRONICS INC.	GRANT
935	10-0917202	KR	LG ELECTRONICS INC.	GRANT
936	303555	MX	LG ELECTRONICS INC.	GRANT
937	2008-80104314	CN	LG ELECTRONICS INC.	PENDING
938	146KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
939	2697384	CA	LG ELECTRONICS INC.	GRANT
940	10-1147769	KR	LG ELECTRONICS INC.	GRANT
941	8013941	US	LG ELECTRONICS INC.	GRANT
942	8488064	US	LG ELECTRONICS INC.	GRANT
943	8094727	US	LG ELECTRONICS INC.	GRANT
944	8488667	US	LG ELECTRONICS INC.	GRANT
945	10-1208512	KR	LG ELECTRONICS INC.	GRANT
946	8081716	US	LG ELECTRONICS INC.	GRANT
947	10-1208514	KR	LG ELECTRONICS INC.	GRANT
948	7876835	US	LG ELECTRONICS INC.	GRANT
949	8054891	US	LG ELECTRONICS INC.	GRANT
950	8204137	US	LG ELECTRONICS INC.	GRANT
951	8355451	US	LG ELECTRONICS INC.	GRANT
952	8526508	US	LG ELECTRONICS INC.	GRANT
953	10-1119110	KR	LG ELECTRONICS INC.	GRANT
954	7840882	US	LG ELECTRONICS INC.	GRANT

955	8438451	US	LG ELECTRONICS INC.	GRANT
956	10-1191191	KR	LG ELECTRONICS INC.	GRANT
957	7751446	US	LG ELECTRONICS INC.	GRANT
958	8054858	US	LG ELECTRONICS INC.	GRANT
959	8472481	US	LG ELECTRONICS INC.	GRANT
960	7995617	US	LG ELECTRONICS INC.	GRANT
961	10-1208516	KR	LG ELECTRONICS INC.	GRANT
962	7796697	US	LG ELECTRONICS INC.	GRANT
963	7933351	US	LG ELECTRONICS INC.	GRANT
964	8175196	US	LG ELECTRONICS INC.	GRANT
965	10-1208518	KR	LG ELECTRONICS INC.	GRANT
966	7826524	US	LG ELECTRONICS INC.	GRANT
967	8090038	US	LG ELECTRONICS INC.	GRANT
968	8229024	US	LG ELECTRONICS INC.	GRANT
969	10-1215363	KR	LG ELECTRONICS INC.	GRANT
970	7801243	US	LG ELECTRONICS INC.	GRANT
971	7933356	US	LG ELECTRONICS INC.	GRANT
972	8077798	US	LG ELECTRONICS INC.	GRANT
973	8199852	US	LG ELECTRONICS INC.	GRANT
974	10-1227507	KR	LG ELECTRONICS INC.	GRANT
975	7934145	US	LG ELECTRONICS INC.	GRANT
976	10-1276804	KR	LG ELECTRONICS INC.	GRANT
977	7813445	US	LG ELECTRONICS INC.	GRANT
978	8081713	US	LG ELECTRONICS INC.	GRANT
979	8325849	US	LG ELECTRONICS INC.	GRANT
980	2656976	CA	LG ELECTRONICS INC.	GRANT
981	280095	MX	LG ELECTRONICS INC.	GRANT
982	296428	MX	LG ELECTRONICS INC.	GRANT
983	10-2006-0054466	KR	LG ELECTRONICS INC.	PENDING
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985	7882422	US	LG ELECTRONICS INC.	GRANT
986	8555147	US	LG ELECTRONICS INC.	GRANT
987	10-1181778	KR	LG ELECTRONICS INC.	GRANT
988	8064543	US	LG ELECTRONICS INC.	GRANT
989	8396161	US	LG ELECTRONICS INC.	GRANT
990	2656881	CA	LG ELECTRONICS INC.	GRANT
991	283488	MX	LG ELECTRONICS INC.	GRANT
992	315720	MX	LG ELECTRONICS INC.	GRANT
993	10-0673419	KR	LG ELECTRONICS INC.	GRANT
994	10-0866878	KR	LG ELECTRONICS INC.	GRANT
995	10-0720560	KR	LG ELECTRONICS INC.	GRANT
996	10-0720560	KR	LG ELECTRONICS INC.	GRANT
997	10-0793811	KR	LG ELECTRONICS INC.	GRANT

998	10-0860038	KR	LG ELECTRONICS INC.	GRANT
999	7010038	US	LG ELECTRONICS INC.	GRANT
1000	7616688	US	LG ELECTRONICS INC.	GRANT
1001	8130833	US	LG ELECTRONICS INC.	GRANT
1002	8059718	US	LG ELECTRONICS INC.	GRANT
1003	7539247	US	LG ELECTRONICS INC.	GRANT
1004	7522666	US	LG ELECTRONICS INC.	GRANT
1005	7346107	US	LG ELECTRONICS INC.	GRANT
1006	7430251	US	LG ELECTRONICS INC.	GRANT
1007	186461	TW	LG ELECTRONICS INC.	GRANT
1008	AR043283B1	AR	LG ELECTRONICS INC.	GRANT
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1011	223407	MX	LG ELECTRONICS INC.	GRANT
1012	200108943	BR	LG ELECTRONICS INC.	GRANT
1013	AR047582	AR	LG ELECTRONICS INC.	GRANT
1014	351831	KR	LG ELECTRONICS INC.	GRANT
1015	7460606	US	LG ELECTRONICS INC.	GRANT
1016	7298786	US	LG ELECTRONICS INC.	GRANT
1017	7577208	US	LG ELECTRONICS INC.	GRANT
1018	7613246	US	LG ELECTRONICS INC.	GRANT
1019	8320485	US	LG ELECTRONICS INC.	GRANT
1020	7894549	US	LG ELECTRONICS INC.	GRANT
1021	ZL01137962.6	CN	LG ELECTRONICS INC.	GRANT
1022	10-0672561	KR	LG ELECTRONICS INC.	GRANT
1023	7148932	US	LG ELECTRONICS INC.	GRANT
1024	7551236	US	LG ELECTRONICS INC.	GRANT
1025	ZL01137615.5	CN	LG ELECTRONICS INC.	GRANT
1026	10-1147760	KR	LG ELECTRONICS INC.	GRANT
1027	10-0904445	KR	LG ELECTRONICS INC.	GRANT
1028	2560014	CA	LG ELECTRONICS INC.	GRANT
1029	268701	MX	LG ELECTRONICS INC.	GRANT
1030	PI0604410-7	BR	LG ELECTRONICS INC.	PENDING
1031	7620118	US	LG ELECTRONICS INC.	GRANT
1032	8149940	US	LG ELECTRONICS INC.	GRANT
1033	8391388	US	LG ELECTRONICS INC.	GRANT
1034	10-0674422	KR	LG ELECTRONICS INC.	GRANT
1035	10-0813054	KR	LG ELECTRONICS INC.	GRANT
1036	10-0813055	KR	LG ELECTRONICS INC.	GRANT
1037	10-0813040	KR	LG ELECTRONICS INC.	GRANT
1038	10-0771631	KR	LG ELECTRONICS INC.	GRANT
1039	7634006	US	LG ELECTRONICS INC.	GRANT
1040	7856651	US	LG ELECTRONICS INC.	GRANT

1041	7634003	US	LG ELECTRONICS INC.	GRANT
1042	7636391	US	LG ELECTRONICS INC.	GRANT
1043	7631340	US	LG ELECTRONICS INC.	GRANT
1044	7712124	US	LG ELECTRONICS INC.	GRANT
1045	2410783	CA	LG ELECTRONICS INC.	GRANT
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1048	237530	MX	LG ELECTRONICS INC.	GRANT
1049	195123	TW	LG ELECTRONICS INC.	GRANT
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1051	10-0917830	KR	LG ELECTRONICS INC.	GRANT
1052	7698621	US	LG ELECTRONICS INC.	GRANT
1053	8762816	US	LG ELECTRONICS INC.	GRANT
1054	290131	MX	LG ELECTRONICS INC.	GRANT
1055	2698298	CA	LG ELECTRONICS INC.	PENDING
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1057	10-0925448	KR	LG ELECTRONICS INC.	GRANT
1058	7730386	US	LG ELECTRONICS INC.	GRANT
1059	7962840	US	LG ELECTRONICS INC.	GRANT
1060	8391388	US	LG ELECTRONICS INC.	GRANT
1061	PI0605430-7	BR	LG ELECTRONICS INC.	PENDING
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1063	ZL200910132576.2	CN	LG ELECTRONICS INC.	GRANT
1064	274760	MX	LG ELECTRONICS INC.	GRANT
1065	300431	MX	LG ELECTRONICS INC.	GRANT
1066	2566269	CA	LG ELECTRONICS INC.	GRANT
1067	8209584	US	LG ELECTRONICS INC.	GRANT
1068	8503347	US	LG ELECTRONICS INC.	GRANT
1069	10-1147759	KR	LG ELECTRONICS INC.	GRANT
1070	10-0949973	KR	LG ELECTRONICS INC.	GRANT
1071	10-1162213	KR	LG ELECTRONICS INC.	GRANT
1072	10-1276820	KR	LG ELECTRONICS INC.	GRANT
1073	10-0914715	KR	LG ELECTRONICS INC.	GRANT
1074	7869357	US	LG ELECTRONICS INC.	GRANT
1075	8510622	US	LG ELECTRONICS INC.	GRANT
1076	ZL200610166903.2	CN	LG ELECTRONICS INC.	GRANT
1077	2562206	CA	LG ELECTRONICS INC.	GRANT
1078	10-1162211	KR	LG ELECTRONICS INC.	GRANT
1079	7739574	US	LG ELECTRONICS INC.	GRANT
1080	8176375	US	LG ELECTRONICS INC.	GRANT
1081	10-1199369	KR	LG ELECTRONICS INC.	GRANT
1082	10-0925477	KR	LG ELECTRONICS INC.	GRANT
1083	7756011	US	LG ELECTRONICS INC.	GRANT

1084	8542577	US	LG ELECTRONICS INC.	GRANT
1085	8072876	US	LG ELECTRONICS INC.	GRANT
1086	PI0605417-0	BR	LG ELECTRONICS INC.	PENDING
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1090	7978697	US	LG ELECTRONICS INC.	GRANT
1091	10-1147759	KR	LG ELECTRONICS INC.	GRANT
1092	10-0949973	KR	LG ELECTRONICS INC.	GRANT
1093	7764323	US	LG ELECTRONICS INC.	GRANT
1094	8189116	US	LG ELECTRONICS INC.	GRANT
1095	7825994	US	LG ELECTRONICS INC.	GRANT
1096	8054385	US	LG ELECTRONICS INC.	GRANT
1097	PI0604391-7	BR	LG ELECTRONICS INC.	PENDING
1098	ZL200610142086.7	CN	LG ELECTRONICS INC.	GRANT
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1100	2559606	CA	LG ELECTRONICS INC.	GRANT
1101	10-1147767	KR	LG ELECTRONICS INC.	GRANT
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1103	7885347	US	LG ELECTRONICS INC.	GRANT
1104	7995669	US	LG ELECTRONICS INC.	GRANT
1105	8160171	US	LG ELECTRONICS INC.	GRANT
1106	10-2005-0132489	KR	LG ELECTRONICS INC.	PENDING
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1111	8199801	US	LG ELECTRONICS INC.	GRANT
1112	10-1208504	KR	LG ELECTRONICS INC.	GRANT
1113	7797607	US	LG ELECTRONICS INC.	GRANT
1114	7877673	US	LG ELECTRONICS INC.	GRANT
1115	8301985	US	LG ELECTRONICS INC.	GRANT
1116	10-1319868	KR	LG ELECTRONICS INC.	GRANT
1117	10-0925446	KR	LG ELECTRONICS INC.	GRANT
1118	7830974	US	LG ELECTRONICS INC.	GRANT
1119	8249183	US	LG ELECTRONICS INC.	GRANT
1120	PI0604472-7	BR	LG ELECTRONICS INC.	PENDING
1121	ZL200610142888	CN	LG ELECTRONICS INC.	GRANT
1122	267438	MX	LG ELECTRONICS INC.	GRANT
1123	2560381	CA	LG ELECTRONICS INC.	GRANT
1124	10-2005-0096300	KR	LG ELECTRONICS INC.	PENDING

1125	8009781	US	LG ELECTRONICS INC.	GRANT
1126	8369642	US	LG ELECTRONICS INC.	GRANT
1127	10-1100207	KR	LG ELECTRONICS INC.	GRANT
1128	10-0925445	KR	LG ELECTRONICS INC.	GRANT
1129	8094742	US	LG ELECTRONICS INC.	GRANT
1130	8254485	US	LG ELECTRONICS INC.	GRANT
1131	PI0605031-0	BR	LG ELECTRONICS INC.	PENDING
1132	ZL200610143512	CN	LG ELECTRONICS INC.	GRANT
1133	269657	MX	LG ELECTRONICS INC.	GRANT
1134	2566119	CA	LG ELECTRONICS INC.	GRANT
1135	10-1191181	KR	LG ELECTRONICS INC.	GRANT
1136	10-0908065	KR	LG ELECTRONICS INC.	GRANT
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1139	PI0604084-5	BR	LG ELECTRONICS INC.	PENDING
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1146	10-1216079	KR	LG ELECTRONICS INC.	GRANT
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1149	8082484	US	LG ELECTRONICS INC.	GRANT
1150	8219895	US	LG ELECTRONICS INC.	GRANT
1151	7921352	US	LG ELECTRONICS INC.	GRANT
1152	8018976	US	LG ELECTRONICS INC.	GRANT
1153	8018977	US	LG ELECTRONICS INC.	GRANT
1154	8098694	US	LG ELECTRONICS INC.	GRANT
1155	8542709	US	LG ELECTRONICS INC.	GRANT
1156	8018978	US	LG ELECTRONICS INC.	GRANT
1157	8473807	US	LG ELECTRONICS INC.	GRANT
1158	7840077	US	LG ELECTRONICS INC.	GRANT
1159	8005304	US	LG ELECTRONICS INC.	GRANT
1160	8254706	US	LG ELECTRONICS INC.	GRANT
1161	995052	KR	LG ELECTRONICS INC.	GRANT
1162	7907635	US	LG ELECTRONICS INC.	GRANT
1163	13/034321	US	LG ELECTRONICS INC.	PENDING
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1165	2562220	CA	LG ELECTRONICS INC.	GRANT
1166	10-1208498	KR	LG ELECTRONICS INC.	GRANT
1167	10-0904446	KR	LG ELECTRONICS INC.	GRANT

1168	7936828	US	LG ELECTRONICS INC.	GRANT
1169	8971418	US	LG ELECTRONICS INC.	GRANT
1170	PI0604390-9	BR	LG ELECTRONICS INC.	PENDING
1171	288642	MX	LG ELECTRONICS INC.	GRANT
1172	2560196	CA	LG ELECTRONICS INC.	GRANT
1173	10-1147761	KR	LG ELECTRONICS INC.	GRANT
1174	7932956	US	LG ELECTRONICS INC.	GRANT
1175	8174625	US	LG ELECTRONICS INC.	GRANT
1176	10-1208509	KR	LG ELECTRONICS INC.	GRANT
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1178	8014459	US	LG ELECTRONICS INC.	GRANT
1179	8149941	US	LG ELECTRONICS INC.	GRANT
1180	7924851	US	LG ELECTRONICS INC.	GRANT
1181	7933365	US	LG ELECTRONICS INC.	GRANT
1182	8135095	US	LG ELECTRONICS INC.	GRANT
1183	8027369	US	LG ELECTRONICS INC.	GRANT
1184	8208501	US	LG ELECTRONICS INC.	GRANT
1185	8040924	US	LG ELECTRONICS INC.	GRANT
1186	8437372	US	LG ELECTRONICS INC.	GRANT
1187	8059627	US	LG ELECTRONICS INC.	GRANT
1188	8656262	US	LG ELECTRONICS INC.	GRANT
1189	8068517	US	LG ELECTRONICS INC.	GRANT
1190	13/280241	US	LG ELECTRONICS INC.	PENDING
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1192	8295377	US	LG ELECTRONICS INC.	GRANT
1193	8121232	US	LG ELECTRONICS INC.	GRANT
1194	8494083	US	LG ELECTRONICS INC.	GRANT
1195	10-0917215	KR	LG ELECTRONICS INC.	GRANT
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1197	8824563	US	LG ELECTRONICS INC.	GRANT
1198	8103227	US	LG ELECTRONICS INC.	GRANT
1199	8755774	US	LG ELECTRONICS INC.	GRANT
1200	8099654	US	LG ELECTRONICS INC.	GRANT
1201	8370707	US	LG ELECTRONICS INC.	GRANT
1202	8112777	US	LG ELECTRONICS INC.	GRANT
1203	8561119	US	LG ELECTRONICS INC.	GRANT
1204	8166374	US	LG ELECTRONICS INC.	GRANT
1205	8315337	US	LG ELECTRONICS INC.	GRANT
1206	8675757	US	LG ELECTRONICS INC.	GRANT
1207	1659715	FR	LG ELECTRONICS INC.	GRANT
1208	PCT/KR2014/012295	PC	LG ELECTRONICS INC.	PENDING
1209	15/100600	US	LG ELECTRONICS INC.	PENDING
1210	14869974	EP	LG ELECTRONICS INC.	PENDING

1211	2014-80068522	CN	LG ELECTRONICS INC.	PENDING
1212	PCT/KR2014/010903	PC	LG ELECTRONICS INC.	PENDING
1213	15/036310	US	LG ELECTRONICS INC.	PENDING
1214	14862852	EP	LG ELECTRONICS INC.	PENDING
1215	2016-530132	JP	LG ELECTRONICS INC.	PENDING
1216	2014-80065521	CN	LG ELECTRONICS INC.	PENDING
1217	PCT/KR2014/010367	PC	LG ELECTRONICS INC.	PENDING
1218	PCT/KR2014/012722	PC	LG ELECTRONICS INC.	PENDING
1219	15/021380	US	LG ELECTRONICS INC.	PENDING
1220	14858838	EP	LG ELECTRONICS INC.	PENDING
1221	2014-80057694	CN	LG ELECTRONICS INC.	PENDING
1222	2922174	CA	LG ELECTRONICS INC.	PENDING
1223	2016-526122	JP	LG ELECTRONICS INC.	PENDING
1224	15/104106	US	LG ELECTRONICS INC.	PENDING
1225	14874985	EP	LG ELECTRONICS INC.	PENDING
1226	2016-542133	JP	LG ELECTRONICS INC.	PENDING
1227	PCT/KR2014/009826	PC	LG ELECTRONICS INC.	PENDING
1228	PCT/KR2014/008319	PC	LG ELECTRONICS INC.	PENDING
1229	PCT/KR2014/008531	PC	LG ELECTRONICS INC.	PENDING
1230	PCT/KR2014/008190	PC	LG ELECTRONICS INC.	PENDING
1231	PCT/KR2014/007690	PC	LG ELECTRONICS INC.	PENDING
1232	PCT/KR2014/007680	PC	LG ELECTRONICS INC.	PENDING
1233	14/912855	US	LG ELECTRONICS INC.	PENDING
1234	14838068	EP	LG ELECTRONICS INC.	PENDING
1235	14838012	EP	LG ELECTRONICS INC.	PENDING
1236	2014-80054330	CN	LG ELECTRONICS INC.	PENDING
1237	2921893	CA	LG ELECTRONICS INC.	PENDING
1238	14/912583	US	LG ELECTRONICS INC.	PENDING
1239	15/021857	US	LG ELECTRONICS INC.	PENDING
1240	14/908947	US	LG ELECTRONICS INC.	PENDING
1241	2016-540802	JP	LG ELECTRONICS INC.	PENDING
1242	2918738	CA	LG ELECTRONICS INC.	PENDING
1243	15/021606	US	LG ELECTRONICS INC.	PENDING
1244	14/914930	US	LG ELECTRONICS INC.	PENDING
1245	14858577	EP	LG ELECTRONICS INC.	PENDING

1246	2014-80048170	CN	LG ELECTRONICS INC.	PENDING
1247	MXa2016001256	MX	LG ELECTRONICS INC.	PENDING
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1249	14/893753	US	LG ELECTRONICS INC.	PENDING
1250	14810454	EP	LG ELECTRONICS INC.	PENDING
1251	2014-80033469	CN	LG ELECTRONICS INC.	PENDING
1252	2912744	CA	LG ELECTRONICS INC.	PENDING
1253	PCT/KR2014/006011	PC	LG ELECTRONICS INC.	PENDING
1254	14/902781	US	LG ELECTRONICS INC.	PENDING
1255	2917290	CA	LG ELECTRONICS INC.	PENDING
1256	14/894226	US	LG ELECTRONICS INC.	PENDING
1257	14814333	EP	LG ELECTRONICS INC.	PENDING
1258	2014-80034894	CN	LG ELECTRONICS INC.	PENDING
1259	2016-519456	JP	LG ELECTRONICS INC.	PENDING
1260	2915022	CA	LG ELECTRONICS INC.	PENDING
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1262	PCT/KR2014/004529	PC	LG ELECTRONICS INC.	PENDING
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1264	2016-515266	JP	LG ELECTRONICS INC.	PENDING
1265	14/780217	US	LG ELECTRONICS INC.	PENDING
1266	14816587	EP	LG ELECTRONICS INC.	PENDING
1267	2014-80024038	CN	LG ELECTRONICS INC.	PENDING
1268	2907789	CA	LG ELECTRONICS INC.	PENDING
1269	14/890819	US	LG ELECTRONICS INC.	PENDING
1270	14801376	EP	LG ELECTRONICS INC.	PENDING
1271	2014-80029235	CN	LG ELECTRONICS INC.	PENDING
1272	14/784808	US	LG ELECTRONICS INC.	PENDING
1273	14784953	EP	LG ELECTRONICS INC.	PENDING
1274	2014-80028056	CN	LG ELECTRONICS INC.	PENDING
1275	MXa2015014412	MX	LG ELECTRONICS INC.	PENDING
1276	2016-508863	JP	LG ELECTRONICS INC.	PENDING
1277	2909145	CA	LG ELECTRONICS INC.	PENDING
1278	PCT/KR2014/012504	PC	LG ELECTRONICS INC.	PENDING
1279	15/106671	US	LG ELECTRONICS INC.	PENDING
1280	14873052	EP	LG ELECTRONICS INC.	PENDING
1281	2933602	CA	LG ELECTRONICS INC.	PENDING

1282	2016-541500	JP	LG ELECTRONICS INC.	PENDING
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1284	PCT/KR2014/011636	PC	LG ELECTRONICS INC.	PENDING
1285	15/036491	US	LG ELECTRONICS INC.	PENDING
1286	14869140	EP	LG ELECTRONICS INC.	PENDING
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1312	2925273	CA	LG ELECTRONICS INC.	PENDING
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1612	15/145600	US	LG ELECTRONICS INC.	PENDING
1613	14/639744	US	LG ELECTRONICS INC.	PENDING
1614	14/618910	US	LG ELECTRONICS INC.	PENDING
1615	9154817	US	LG ELECTRONICS INC.	GRANT
1616	14/836776	US	LG ELECTRONICS INC.	PENDING
1617	9241175	US	LG ELECTRONICS INC.	GRANT
1618	14/918226	US	LG ELECTRONICS INC.	PENDING
1619	14/820330	US	LG ELECTRONICS INC.	PENDING
1620	9369154	US	LG ELECTRONICS INC.	GRANT

1621	9402091	US	LG ELECTRONICS INC.	GRANT
1622	9338484	US	LG ELECTRONICS INC.	GRANT
1623	15/079864	US	LG ELECTRONICS INC.	PENDING
1624	14/723150	US	LG ELECTRONICS INC.	PENDING
1625	14/589892	US	LG ELECTRONICS INC.	PENDING
1626	14/152700	US	LG ELECTRONICS INC.	PENDING
1627	13/901389	US	LG ELECTRONICS INC.	PENDING
1628	14/836832	US	LG ELECTRONICS INC.	PENDING
1629	9351178	US	LG ELECTRONICS INC.	GRANT
1630	14/534990	US	LG ELECTRONICS INC.	PENDING
1631	9432202	US	LG ELECTRONICS INC.	GRANT
1632	15/220349	US	LG ELECTRONICS INC.	PENDING
1633	14/671447	US	LG ELECTRONICS INC.	PENDING
1634	9438931	US	LG ELECTRONICS INC.	GRANT
1635	14/475392	US	LG ELECTRONICS INC.	PENDING
1636	14/806120	US	LG ELECTRONICS INC.	PENDING
1637	RE46157	US	LG ELECTRONICS INC.	GRANT
1638	15/133962	US	LG ELECTRONICS INC.	PENDING
1639	14/619251	US	LG ELECTRONICS INC.	PENDING
1640	14/567071	US	LG ELECTRONICS INC.	PENDING
1641	9277290	US	LG ELECTRONICS INC.	GRANT
1642	14/996787	US	LG ELECTRONICS INC.	PENDING
1643	RE46157	US	LG ELECTRONICS INC.	GRANT
1644	14/826132	US	LG ELECTRONICS INC.	PENDING
1645	14/711531	US	LG ELECTRONICS INC.	PENDING
1646	15/018121	US	LG ELECTRONICS INC.	PENDING
1647	14/642219	US	LG ELECTRONICS INC.	PENDING
1648	14/729520	US	LG ELECTRONICS INC.	PENDING
1649	14/819157	US	LG ELECTRONICS INC.	PENDING
1650	14/632224	US	LG ELECTRONICS INC.	PENDING
1651	14/470099	US	LG ELECTRONICS INC.	PENDING
1652	13/884180	US	LG ELECTRONICS INC.	PENDING
1653	13/884765	US	LG ELECTRONICS INC.	PENDING
1654	15/073098	US	LG ELECTRONICS INC.	PENDING
1655	14/792249	US	LG ELECTRONICS INC.	PENDING
1656	9438373	US	LG ELECTRONICS INC.	GRANT
1657	14/802216	US	LG ELECTRONICS INC.	PENDING
1658	15/223408	US	LG ELECTRONICS INC.	PENDING
1659	14/954279	US	LG ELECTRONICS INC.	PENDING
1660	14/202964	US	LG ELECTRONICS INC.	PENDING
1661	14/509877	US	LG ELECTRONICS INC.	PENDING
1662	9432308	US	LG ELECTRONICS INC.	GRANT
1663	14/810901	US	LG ELECTRONICS INC.	PENDING

1664	9380432	US	LG ELECTRONICS INC.	GRANT
1665	14/979219	US	LG ELECTRONICS INC.	PENDING
1666	14/962737	US	LG ELECTRONICS INC.	PENDING
1667	14/152742	US	LG ELECTRONICS INC.	PENDING
1668	9369692	US	LG ELECTRONICS INC.	GRANT
1669	15/076231	US	LG ELECTRONICS INC.	PENDING
1670	14/946475	US	LG ELECTRONICS INC.	PENDING
1671	14/765257	US	LG ELECTRONICS INC.	PENDING
1672	14/693402	US	LG ELECTRONICS INC.	PENDING
1673	9438378	US	LG ELECTRONICS INC.	GRANT
1674	10-2016-7001480	KR	LG ELECTRONICS INC.	PENDING
1675	10-2016-7012183	KR	LG ELECTRONICS INC.	PENDING
1676	10-2016-7011406	KR	LG ELECTRONICS INC.	PENDING
1677	10-2016-7001481	KR	LG ELECTRONICS INC.	PENDING
1678	10-2016-7012185	KR	LG ELECTRONICS INC.	PENDING
1679	10-2016-7012181	KR	LG ELECTRONICS INC.	PENDING
1680	10-2016-7001410	KR	LG ELECTRONICS INC.	PENDING
1681	10-2016-7007956	KR	LG ELECTRONICS INC.	PENDING
1682	10-2016-7001818	KR	LG ELECTRONICS INC.	PENDING
1683	10-2016-7000625	KR	LG ELECTRONICS INC.	PENDING
1684	10-2016-7002411	KR	LG ELECTRONICS INC.	PENDING
1685	10-2016-7002978	KR	LG ELECTRONICS INC.	PENDING
1686	10-2016-7001872	KR	LG ELECTRONICS INC.	PENDING
1687	10-2016-7001929	KR	LG ELECTRONICS INC.	PENDING
1688	10-2016-7002799	KR	LG ELECTRONICS INC.	PENDING
1689	10-2016-7001694	KR	LG ELECTRONICS INC.	PENDING
1690	10-2016-7007810	KR	LG ELECTRONICS INC.	PENDING
1691	10-2016-7002668	KR	LG ELECTRONICS INC.	PENDING
1692	10-2016-7002669	KR	LG ELECTRONICS INC.	PENDING
1693	10-2016-7004429	KR	LG ELECTRONICS INC.	PENDING
1694	10-2016-7002413	KR	LG ELECTRONICS INC.	PENDING
1695	10-2016-7001563	KR	LG ELECTRONICS INC.	PENDING
1696	10-2016-7001206	KR	LG ELECTRONICS INC.	PENDING

1697	10-2016-7006290	KR	LG ELECTRONICS INC.	PENDING
1698	10-2016-7011009	KR	LG ELECTRONICS INC.	PENDING
1699	10-2016-7000787	KR	LG ELECTRONICS INC.	PENDING
1700	10-2016-7007094	KR	LG ELECTRONICS INC.	PENDING
1701	10-2016-7002600	KR	LG ELECTRONICS INC.	PENDING
1702	10-2016-7007096	KR	LG ELECTRONICS INC.	PENDING
1703	10-2016-7002599	KR	LG ELECTRONICS INC.	PENDING
1704	10-2016-7001482	KR	LG ELECTRONICS INC.	PENDING
1705	10-1597578	KR	LG ELECTRONICS INC.	GRANT
1706	10-1603655	KR	LG ELECTRONICS INC.	GRANT
1707	10-1603658	KR	LG ELECTRONICS INC.	GRANT
1708	10-1600488	KR	LG ELECTRONICS INC.	GRANT
1709	10-1580519	KR	LG ELECTRONICS INC.	GRANT
1710	10-1600489	KR	LG ELECTRONICS INC.	GRANT
1711	10-1600491	KR	LG ELECTRONICS INC.	GRANT
1712	10-1586322	KR	LG ELECTRONICS INC.	GRANT
1713	10-1590491	KR	LG ELECTRONICS INC.	GRANT
1714	10-1605330	KR	LG ELECTRONICS INC.	GRANT
1715	10-1581818	KR	LG ELECTRONICS INC.	GRANT
1716	10-1598093	KR	LG ELECTRONICS INC.	GRANT
1717	10-1598095	KR	LG ELECTRONICS INC.	GRANT
1718	10-1598094	KR	LG ELECTRONICS INC.	GRANT
1719	10-1581359	KR	LG ELECTRONICS INC.	GRANT
1720	10-1598520	KR	LG ELECTRONICS INC.	GRANT
1721	10-1405966-00-00	KR	LG ELECTRONICS INC.	GRANT
1722	10-0902903	KR	LG ELECTRONICS INC.	GRANT
1723	7953517	US	LG ELECTRONICS INC.	GRANT
1724	8374252	US	LG ELECTRONICS INC.	GRANT
1725	8778394	EP	LG ELECTRONICS INC.	PENDING
1726	2688380	CA	LG ELECTRONICS INC.	GRANT

1727	ZL200880021883.7	CN	LG ELECTRONICS INC.	GRANT
1728	287372	MX	LG ELECTRONICS INC.	GRANT
1729	7121CHENP2009	IN	LG ELECTRONICS INC.	PENDING
1730	10-1461958	KR	LG ELECTRONICS INC.	GRANT
1731	10-2014-0063808	KR	LG ELECTRONICS INC.	PENDING
1732	10-2014-0107110	KR	LG ELECTRONICS INC.	PENDING
1733	7986175	US	LG ELECTRONICS INC.	GRANT
1734	8837523	US	LG ELECTRONICS INC.	GRANT
1735	9351178	US	LG ELECTRONICS INC.	GRANT
1736	ZL200880104924.9	CN	LG ELECTRONICS INC.	GRANT
1737	4567KOLNP2009	IN	LG ELECTRONICS INC.	PENDING
1738	302119	MX	LG ELECTRONICS INC.	GRANT
1739	2691938	CA	LG ELECTRONICS INC.	GRANT
1740	10-1405968-00-00	KR	LG ELECTRONICS INC.	GRANT
1741	8018886	US	LG ELECTRONICS INC.	GRANT
1742	13/206452	US	LG ELECTRONICS INC.	PENDING
1743	ZL200880104873	CN	LG ELECTRONICS INC.	GRANT
1744	128KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1745	290236	MX	LG ELECTRONICS INC.	GRANT
1746	2692025	CA	LG ELECTRONICS INC.	GRANT
1747	10-1405967-00-00	KR	LG ELECTRONICS INC.	GRANT
1748	7801181	US	LG ELECTRONICS INC.	GRANT
1749	8660147	US	LG ELECTRONICS INC.	GRANT
1750	14/152700	US	LG ELECTRONICS INC.	PENDING
1751	ZL200880105163.9	CN	LG ELECTRONICS INC.	GRANT
1752	27KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1753	292367	MX	LG ELECTRONICS INC.	GRANT
1754	2692312	CA	LG ELECTRONICS INC.	GRANT
1755	10-1405969-00-00	KR	LG ELECTRONICS INC.	GRANT
1756	8190979	US	LG ELECTRONICS INC.	GRANT
1757	2008-80104725	CN	LG ELECTRONICS INC.	PENDING
1758	127KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1759	301836	MX	LG ELECTRONICS INC.	GRANT
1760	2692315	CA	LG ELECTRONICS INC.	GRANT

1761	10-1405970-00-00	KR	LG ELECTRONICS INC.	GRANT
1762	8325760	US	LG ELECTRONICS INC.	GRANT
1763	2008-80104576	CN	LG ELECTRONICS INC.	PENDING
1764	4569KOLNP2009	IN	LG ELECTRONICS INC.	PENDING
1765	302113	MX	LG ELECTRONICS INC.	GRANT
1766	2692318	CA	LG ELECTRONICS INC.	GRANT
1767	10-2008-0072330	KR	LG ELECTRONICS INC.	PENDING
1768	8149744	US	LG ELECTRONICS INC.	GRANT
1769	8654693	US	LG ELECTRONICS INC.	GRANT
1770	P080103223	AR	LG ELECTRONICS INC.	PENDING
1771	21882008	CL	LG ELECTRONICS INC.	PENDING
1772	ZL2008801002007	CN	LG ELECTRONICS INC.	GRANT
1773	176KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1774	299172	MX	LG ELECTRONICS INC.	GRANT
1775	2693358	CA	LG ELECTRONICS INC.	GRANT
1776	10-2008-0083035	KR	LG ELECTRONICS INC.	PENDING
1777	10-0913108	KR	LG ELECTRONICS INC.	GRANT
1778	7733819	US	LG ELECTRONICS INC.	GRANT
1779	7933232	US	LG ELECTRONICS INC.	GRANT
1780	8121064	US	LG ELECTRONICS INC.	GRANT
1781	8276040	US	LG ELECTRONICS INC.	GRANT
1782	2697483	CA	LG ELECTRONICS INC.	GRANT
1783	ZL2008801127977	CN	LG ELECTRONICS INC.	GRANT
1784	306804	MX	LG ELECTRONICS INC.	GRANT
1785	796KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1786	10-2008-0092411	KR	LG ELECTRONICS INC.	PENDING
1787	10-0917211	KR	LG ELECTRONICS INC.	GRANT
1788	7809139	US	LG ELECTRONICS INC.	GRANT
1789	8300821	US	LG ELECTRONICS INC.	GRANT
1790	ZL200880116563X	CN	LG ELECTRONICS INC.	GRANT
1791	1160KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1792	292175	MX	LG ELECTRONICS INC.	GRANT
1793	2700266	CA	LG ELECTRONICS INC.	PENDING
1794	10-1306715	KR	LG ELECTRONICS INC.	GRANT
1795	2013-0069844	KR	LG ELECTRONICS INC.	PENDING

1796	10-2014-0016157	KR	LG ELECTRONICS INC.	PENDING
1797	8023535	US	LG ELECTRONICS INC.	GRANT
1798	8392953	US	LG ELECTRONICS INC.	GRANT
1799	2677306	CA	LG ELECTRONICS INC.	GRANT
1800	10-1328949	KR	LG ELECTRONICS INC.	GRANT
1801	8078945	US	LG ELECTRONICS INC.	GRANT
1802	8335975	US	LG ELECTRONICS INC.	GRANT
1803	ZL2008800179052	CN	LG ELECTRONICS INC.	GRANT
1804	6150CHENP2009	IN	LG ELECTRONICS INC.	PENDING
1805	2683583	CA	LG ELECTRONICS INC.	GRANT
1806	MXa2009010913	MX	LG ELECTRONICS INC.	PENDING
1807	10-1456002	KR	LG ELECTRONICS INC.	GRANT
1808	10-0908060	KR	LG ELECTRONICS INC.	GRANT
1809	10-2014-0060478	KR	LG ELECTRONICS INC.	PENDING
1810	10-2014-0107109	KR	LG ELECTRONICS INC.	PENDING
1811	8135038	US	LG ELECTRONICS INC.	GRANT
1812	8670463	US	LG ELECTRONICS INC.	GRANT
1813	14/152742	US	LG ELECTRONICS INC.	PENDING
1814	8135034	US	LG ELECTRONICS INC.	GRANT
1815	8778396	EP	LG ELECTRONICS INC.	PENDING
1816	2688391	CA	LG ELECTRONICS INC.	GRANT
1817	ZL200880021949.2	CN	LG ELECTRONICS INC.	GRANT
1818	290388	MX	LG ELECTRONICS INC.	GRANT
1819	4491KOLNP2009	IN	LG ELECTRONICS INC.	PENDING
1820	10-2008-0060518	KR	LG ELECTRONICS INC.	PENDING
1821	8396043	US	LG ELECTRONICS INC.	GRANT
1822	ZL200880022186.3	CN	LG ELECTRONICS INC.	GRANT
1823	4280KOLNP2009	IN	LG ELECTRONICS INC.	PENDING
1824	2689415	CA	LG ELECTRONICS INC.	GRANT
1825	305538	MX	LG ELECTRONICS INC.	GRANT
1826	10-2008-0060524	KR	LG ELECTRONICS INC.	PENDING
1827	8077744	US	LG ELECTRONICS INC.	GRANT
1828	8325766	US	LG ELECTRONICS INC.	GRANT
1829	2689103	CA	LG ELECTRONICS INC.	GRANT
1830	303136	MX	LG ELECTRONICS INC.	GRANT
1831	10-2008-0065324	KR	LG ELECTRONICS INC.	PENDING

1832	10-0904447	KR	LG ELECTRONICS INC.	GRANT
1833	7782808	US	LG ELECTRONICS INC.	GRANT
1834	8107790	US	LG ELECTRONICS INC.	GRANT
1835	13/332324	US	LG ELECTRONICS INC.	PENDING
1836	9438931	US	LG ELECTRONICS INC.	GRANT
1837	ZL200880105248.7	CN	LG ELECTRONICS INC.	GRANT
1838	2692484	CA	LG ELECTRONICS INC.	GRANT
1839	299673	MX	LG ELECTRONICS INC.	GRANT
1840	48KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1841	10-2008-0073224	KR	LG ELECTRONICS INC.	PENDING
1842	10-0902904	KR	LG ELECTRONICS INC.	GRANT
1843	10-0917212	KR	LG ELECTRONICS INC.	GRANT
1844	8122473	US	LG ELECTRONICS INC.	GRANT
1845	8132213	US	LG ELECTRONICS INC.	GRANT
1846	8307400	US	LG ELECTRONICS INC.	GRANT
1847	ZL200880101134.5	CN	LG ELECTRONICS INC.	GRANT
1848	180KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1849	304777	MX	LG ELECTRONICS INC.	GRANT
1850	2694078	CA	LG ELECTRONICS INC.	GRANT
1851	10-2008-0091839	KR	LG ELECTRONICS INC.	PENDING
1852	8069462	US	LG ELECTRONICS INC.	GRANT
1853	8220026	US	LG ELECTRONICS INC.	GRANT
1854	2693363	CA	LG ELECTRONICS INC.	GRANT
1855	2008-0082929	KR	LG ELECTRONICS INC.	PENDING
1856	8014333	US	LG ELECTRONICS INC.	GRANT
1857	8149755	US	LG ELECTRONICS INC.	GRANT
1858	ZL2008801128005	CN	LG ELECTRONICS INC.	GRANT
1859	592KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1860	2696721	CA	LG ELECTRONICS INC.	GRANT
1861	292170	MX	LG ELECTRONICS INC.	GRANT
1862	2008-0082928	KR	LG ELECTRONICS INC.	PENDING
1863	10-0904434	KR	LG ELECTRONICS INC.	GRANT
1864	7881259	US	LG ELECTRONICS INC.	GRANT
1865	8223787	US	LG ELECTRONICS INC.	GRANT
1866	ZL200880104240	CN	LG ELECTRONICS INC.	GRANT
1867	4449KOLNP2009	IN	LG ELECTRONICS INC.	PENDING

1868	2695142	CA	LG ELECTRONICS INC.	GRANT
1869	299845	MX	LG ELECTRONICS INC.	GRANT
1870	2008-0082949	KR	LG ELECTRONICS INC.	PENDING
1871	10-0902906	KR	LG ELECTRONICS INC.	GRANT
1872	7965778	US	LG ELECTRONICS INC.	GRANT
1873	8964856	US	LG ELECTRONICS INC.	GRANT
1874	ZL2008801042911	CN	LG ELECTRONICS INC.	GRANT
1875	576KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1876	293274	MX	LG ELECTRONICS INC.	GRANT
1877	2695548	CA	LG ELECTRONICS INC.	GRANT
1878	10-2009-0053950	KR	LG ELECTRONICS INC.	PENDING
1879	8572648	US	LG ELECTRONICS INC.	GRANT
1880	14/035657	US	LG ELECTRONICS INC.	PENDING
1881	2008-0082948	KR	LG ELECTRONICS INC.	PENDING
1882	10-0913109	KR	LG ELECTRONICS INC.	GRANT
1883	10-0921474	KR	LG ELECTRONICS INC.	GRANT
1884	7646828	US	LG ELECTRONICS INC.	GRANT
1885	8335280	US	LG ELECTRONICS INC.	GRANT
1886	2694704	CA	LG ELECTRONICS INC.	GRANT
1887	ZL200880104205.7	CN	LG ELECTRONICS INC.	GRANT
1888	4470KOLNP2009	IN	LG ELECTRONICS INC.	PENDING
1889	305337	MX	LG ELECTRONICS INC.	GRANT
1890	10-2008-0092423	KR	LG ELECTRONICS INC.	PENDING
1891	8089929	US	LG ELECTRONICS INC.	GRANT
1892	8385250	US	LG ELECTRONICS INC.	GRANT
1893	8472476	US	LG ELECTRONICS INC.	GRANT
1894	CL52425	CL	LG ELECTRONICS INC.	GRANT
1895	AR068504B1	AR	LG ELECTRONICS INC.	GRANT
1896	10-2008-0083036	KR	LG ELECTRONICS INC.	PENDING
1897	10-0908061	KR	LG ELECTRONICS INC.	GRANT
1898	7912006	US	LG ELECTRONICS INC.	GRANT
1899	8116276	US	LG ELECTRONICS INC.	GRANT
1900	8199714	US	LG ELECTRONICS INC.	GRANT
1901	2008-80112722	CN	LG ELECTRONICS INC.	PENDING
1902	795KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1903	302108	MX	LG ELECTRONICS INC.	GRANT

1904	2697486	CA	LG ELECTRONICS INC.	PENDING
1905	2008-0082951	KR	LG ELECTRONICS INC.	PENDING
1906	8214872	US	LG ELECTRONICS INC.	GRANT
1907	8375413	US	LG ELECTRONICS INC.	GRANT
1908	ZL200880112816.6	CN	LG ELECTRONICS INC.	GRANT
1909	742KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1910	2696726	CA	LG ELECTRONICS INC.	GRANT
1911	301450	MX	LG ELECTRONICS INC.	GRANT
1912	10-2008-0083068	KR	LG ELECTRONICS INC.	PENDING
1913	10-0932491-00-00	KR	LG ELECTRONICS INC.	GRANT
1914	10-0917831	KR	LG ELECTRONICS INC.	GRANT
1915	8005167	US	LG ELECTRONICS INC.	GRANT
1916	8165244	US	LG ELECTRONICS INC.	GRANT
1917	2697453	CA	LG ELECTRONICS INC.	GRANT
1918	ZL200880104182.X	CN	LG ELECTRONICS INC.	GRANT
1919	149KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1920	290289	MX	LG ELECTRONICS INC.	GRANT
1921	10-2008-0083069	KR	LG ELECTRONICS INC.	PENDING
1922	8199830	US	LG ELECTRONICS INC.	GRANT
1923	8619818	US	LG ELECTRONICS INC.	GRANT
1924	ZL200880112818.5	CN	LG ELECTRONICS INC.	GRANT
1925	773KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1926	2697459	CA	LG ELECTRONICS INC.	GRANT
1927	300903	MX	LG ELECTRONICS INC.	GRANT
1928	10-2008-0083067	KR	LG ELECTRONICS INC.	PENDING
1929	10-0902905	KR	LG ELECTRONICS INC.	GRANT
1930	7889695	US	LG ELECTRONICS INC.	GRANT
1931	7948943	US	LG ELECTRONICS INC.	GRANT
1932	8149754	US	LG ELECTRONICS INC.	GRANT
1933	8300569	US	LG ELECTRONICS INC.	GRANT
1934	ZL200880113196.8	CN	LG ELECTRONICS INC.	GRANT
1935	771KPLNP2010	IN	LG ELECTRONICS INC.	PENDING
1936	2697481	CA	LG ELECTRONICS INC.	GRANT
1937	10-2008-0091840	KR	LG ELECTRONICS INC.	PENDING
1938	8054906	US	LG ELECTRONICS INC.	GRANT

1939	8542761	US	LG ELECTRONICS INC.	GRANT
1940	8885762	US	LG ELECTRONICS INC.	GRANT
1941	14/509877	US	LG ELECTRONICS INC.	PENDING
1942	CL52424	CL	LG ELECTRONICS INC.	GRANT
1943	AR068505B1	AR	LG ELECTRONICS INC.	GRANT
1944	10-2008-0083037	KR	LG ELECTRONICS INC.	PENDING
1945	10-0904432	KR	LG ELECTRONICS INC.	GRANT
1946	7705920	US	LG ELECTRONICS INC.	GRANT
1947	7777817	US	LG ELECTRONICS INC.	GRANT
1948	7982808	US	LG ELECTRONICS INC.	GRANT
1949	8314891	US	LG ELECTRONICS INC.	GRANT
1950	2697485	CA	LG ELECTRONICS INC.	PENDING
1951	ZL2008801131953	CN	LG ELECTRONICS INC.	GRANT
1952	303130	MX	LG ELECTRONICS INC.	GRANT
1953	798KOLNP2010	IN	LG ELECTRONICS INC.	PENDING
1954	8332723	US	LG ELECTRONICS INC.	GRANT
1955	10-2008-0063576	KR	LG ELECTRONICS INC.	PENDING
1956	8102921	US	LG ELECTRONICS INC.	GRANT
1957	8374249	US	LG ELECTRONICS INC.	GRANT
1958	2691977	CA	LG ELECTRONICS INC.	GRANT
1959	ZL200880105237.9	CN	LG ELECTRONICS INC.	GRANT
1960	10-2008-0063586	KR	LG ELECTRONICS INC.	PENDING
1961	8098741	US	LG ELECTRONICS INC.	GRANT
1962	2692449	CA	LG ELECTRONICS INC.	GRANT
1963	10-1405971-00-00	KR	LG ELECTRONICS INC.	GRANT
1964	8085751	US	LG ELECTRONICS INC.	GRANT
1965	2691981	CA	LG ELECTRONICS INC.	GRANT
1966	10-2008-0063684	KR	LG ELECTRONICS INC.	PENDING
1967	8014332	US	LG ELECTRONICS INC.	GRANT
1968	8982869	US	LG ELECTRONICS INC.	GRANT
1969	2691983	CA	LG ELECTRONICS INC.	GRANT
1970	10-2008-0063687	KR	LG ELECTRONICS INC.	PENDING
1971	7995511	US	LG ELECTRONICS INC.	GRANT
1972	2691978	CA	LG ELECTRONICS INC.	GRANT
1973	ZL200880104060.0	CN	LG ELECTRONICS INC.	GRANT
1974	10-2009-0045578	KR	LG ELECTRONICS INC.	PENDING
1975	8848685	US	LG ELECTRONICS INC.	GRANT

1976	2746737	CA	LG ELECTRONICS INC.	PENDING
1977	2840707	CA	LG ELECTRONICS INC.	PENDING
1978	ZL2009801558987	CN	LG ELECTRONICS INC.	GRANT
1979	2014-10563821	CN	LG ELECTRONICS INC.	PENDING
1980	10-2009-0045577	KR	LG ELECTRONICS INC.	PENDING
1981	8279990	US	LG ELECTRONICS INC.	GRANT
1982	2746735	CA	LG ELECTRONICS INC.	PENDING
1983	2009-80155896	CN	LG ELECTRONICS INC.	PENDING
1984	10-2009-0046108	KR	LG ELECTRONICS INC.	PENDING
1985	8855098	US	LG ELECTRONICS INC.	GRANT
1986	2746732	CA	LG ELECTRONICS INC.	PENDING
1987	2009-80155897	CN	LG ELECTRONICS INC.	PENDING
1988	10-2009-0030852	KR	LG ELECTRONICS INC.	PENDING
1989	8149775	US	LG ELECTRONICS INC.	GRANT
1990	2721151	CA	LG ELECTRONICS INC.	PENDING
1991	10-2009-0061688	KR	LG ELECTRONICS INC.	PENDING
1992	8223682	US	LG ELECTRONICS INC.	GRANT
1993	10-1259118-00-00	KR	LG ELECTRONICS INC.	GRANT
1994	7793320	US	LG ELECTRONICS INC.	GRANT
1995	7966633	US	LG ELECTRONICS INC.	GRANT
1996	8458752	US	LG ELECTRONICS INC.	GRANT
1997	14/729520	US	LG ELECTRONICS INC.	PENDING
1998	7890980	US	LG ELECTRONICS INC.	GRANT
1999	10-1397051-00-00	KR	LG ELECTRONICS INC.	GRANT
2000	8068509	US	LG ELECTRONICS INC.	GRANT
2001	8279773	US	LG ELECTRONICS INC.	GRANT
2002	10-1405965-00-00	KR	LG ELECTRONICS INC.	GRANT
2003	8098646	US	LG ELECTRONICS INC.	GRANT
2004	8284727	US	LG ELECTRONICS INC.	GRANT
2005	2008-0071930	KR	LG ELECTRONICS INC.	PENDING
2006	7979883	US	LG ELECTRONICS INC.	GRANT
2007	8181207	US	LG ELECTRONICS INC.	GRANT
2008	AR067680B1	AR	LG ELECTRONICS INC.	GRANT
2009	21872008	CL	LG ELECTRONICS INC.	PENDING
2010	2691528	CA	LG ELECTRONICS INC.	GRANT

2011	10-1351022-00-00	KR	LG ELECTRONICS INC.	GRANT
2012	8046794	US	LG ELECTRONICS INC.	GRANT
2013	8046805	US	LG ELECTRONICS INC.	GRANT
2014	8505048	US	LG ELECTRONICS INC.	GRANT
2015	8413186	US	LG ELECTRONICS INC.	GRANT
2016	2680146	CA	LG ELECTRONICS INC.	GRANT
2017	2008-0092446	KR	LG ELECTRONICS INC.	PENDING
2018	7813310	US	LG ELECTRONICS INC.	GRANT
2019	8589772	US	LG ELECTRONICS INC.	GRANT
2020	8880984	US	LG ELECTRONICS INC.	GRANT
2021	14/496871	US	LG ELECTRONICS INC.	PENDING
2022	2008-0092445	KR	LG ELECTRONICS INC.	PENDING
2023	8001572	US	LG ELECTRONICS INC.	GRANT
2024	8006271	US	LG ELECTRONICS INC.	GRANT
2025	8745672	US	LG ELECTRONICS INC.	GRANT
2026	8914830	US	LG ELECTRONICS INC.	GRANT
2027	14/529037	US	LG ELECTRONICS INC.	PENDING
2028	2008-0092312	KR	LG ELECTRONICS INC.	PENDING
2029	8069463	US	LG ELECTRONICS INC.	GRANT
2030	8230463	US	LG ELECTRONICS INC.	GRANT
2031	10-2008-0092412	KR	LG ELECTRONICS INC.	PENDING
2032	7975281	US	LG ELECTRONICS INC.	GRANT
2033	8141119	US	LG ELECTRONICS INC.	GRANT
2034	8310976	US	LG ELECTRONICS INC.	GRANT
2035	2751711	CA	LG ELECTRONICS INC.	PENDING
2036	ZL201080012052.0	CN	LG ELECTRONICS INC.	GRANT
2037	7733820	US	LG ELECTRONICS INC.	GRANT
2038	8018887	US	LG ELECTRONICS INC.	GRANT
2039	8208419	US	LG ELECTRONICS INC.	GRANT
2040	7882534	US	LG ELECTRONICS INC.	GRANT
2041	7936786	US	LG ELECTRONICS INC.	GRANT
2042	8687635	US	LG ELECTRONICS INC.	GRANT
2043	8917727	US	LG ELECTRONICS INC.	GRANT
2044	14/534990	US	LG ELECTRONICS INC.	PENDING
2045	7934243	US	LG ELECTRONICS INC.	GRANT
2046	8443412	US	LG ELECTRONICS INC.	GRANT
2047	2683762	CA	LG ELECTRONICS INC.	GRANT
2048	294283	MX	LG ELECTRONICS INC.	GRANT
2049	2008-80018229	CN	LG ELECTRONICS INC.	PENDING

2050	6283CHENP2009	IN	LG ELECTRONICS INC.	PENDING
2051	7934244	US	LG ELECTRONICS INC.	GRANT
2052	8495695	US	LG ELECTRONICS INC.	GRANT
2053	2008-80017705	CN	LG ELECTRONICS INC.	PENDING
2054	6141CHENP2009	IN	LG ELECTRONICS INC.	PENDING
2055	2683471	CA	LG ELECTRONICS INC.	GRANT
2056	290132	MX	LG ELECTRONICS INC.	GRANT
2057	7958538	US	LG ELECTRONICS INC.	GRANT
2058	8023525	US	LG ELECTRONICS INC.	GRANT
2059	8547987	US	LG ELECTRONICS INC.	GRANT
2060	2691982	CA	LG ELECTRONICS INC.	GRANT
2061	8051451	US	LG ELECTRONICS INC.	GRANT
2062	8752098	US	LG ELECTRONICS INC.	GRANT
2063	14/264903	US	LG ELECTRONICS INC.	PENDING
2064	8045591	US	LG ELECTRONICS INC.	GRANT
2065	8401042	US	LG ELECTRONICS INC.	GRANT
2066	8059210	US	LG ELECTRONICS INC.	GRANT
2067	8850493	US	LG ELECTRONICS INC.	GRANT
2068	8087052	US	LG ELECTRONICS INC.	GRANT
2069	8533762	US	LG ELECTRONICS INC.	GRANT
2070	9380432	US	LG ELECTRONICS INC.	GRANT
2071	8074152	US	LG ELECTRONICS INC.	GRANT
2072	13/286123	US	LG ELECTRONICS INC.	PENDING
2073	2692107	CA	LG ELECTRONICS INC.	GRANT
2074	8102920	US	LG ELECTRONICS INC.	GRANT
2075	2691652	CA	LG ELECTRONICS INC.	GRANT
2076	8098740	US	LG ELECTRONICS INC.	GRANT
2077	2692447	CA	LG ELECTRONICS INC.	GRANT
2078	8199811	US	LG ELECTRONICS INC.	GRANT
2079	8374235	US	LG ELECTRONICS INC.	GRANT
2080	8385410	US	LG ELECTRONICS INC.	GRANT
2081	8161511	US	LG ELECTRONICS INC.	GRANT
2082	8160009	US	LG ELECTRONICS INC.	GRANT
2083	8175065	US	LG ELECTRONICS INC.	GRANT
2084	8171308	US	LG ELECTRONICS INC.	GRANT
2085	8185925	US	LG ELECTRONICS INC.	GRANT
2086	8302133	US	LG ELECTRONICS INC.	GRANT
2087	8276178	US	LG ELECTRONICS INC.	GRANT
2088	8356320	US	LG ELECTRONICS INC.	GRANT
2089	2749667	CA	LG ELECTRONICS INC.	PENDING
2090	2009-80157580	CN	LG ELECTRONICS INC.	PENDING

2091	2014-10558237	CN	LG ELECTRONICS INC.	PENDING
2092	8387097	US	LG ELECTRONICS INC.	GRANT
2093	8386893	US	LG ELECTRONICS INC.	GRANT
2094	8391314	US	LG ELECTRONICS INC.	GRANT
2095	8953639	US	LG ELECTRONICS INC.	GRANT
2096	14/589892	US	LG ELECTRONICS INC.	PENDING
2097	8413194	US	LG ELECTRONICS INC.	GRANT
2098	8510781	US	LG ELECTRONICS INC.	GRANT
2099	8489961	US	LG ELECTRONICS INC.	GRANT
2100	13/936813	US	LG ELECTRONICS INC.	PENDING
2101	14/723150	US	LG ELECTRONICS INC.	PENDING
2102	8522284	US	LG ELECTRONICS INC.	GRANT
2103	8656261	US	LG ELECTRONICS INC.	GRANT
2104	14/084185	US	LG ELECTRONICS INC.	PENDING
2105	8683529	US	LG ELECTRONICS INC.	GRANT
2106	14/185650	US	LG ELECTRONICS INC.	PENDING
2107	8776143	US	LG ELECTRONICS INC.	GRANT
2108	13/882940	US	LG ELECTRONICS INC.	PENDING
2109	13/875838	US	LG ELECTRONICS INC.	PENDING
2110	8234681	US	LG ELECTRONICS INC.	GRANT
2111	12/591901	US	LG ELECTRONICS INC.	PENDING
2112	12/591900	US	LG ELECTRONICS INC.	PENDING
2113	13/591852	US	LG ELECTRONICS INC.	PENDING
2114	13/591852	US	LG ELECTRONICS INC.	PENDING
2115	2692770	CA	LG ELECTRONICS INC.	GRANT
2116	8250619	US	LG ELECTRONICS INC.	GRANT
2117	8516535	US	LG ELECTRONICS INC.	GRANT
2118	8875211	US	LG ELECTRONICS INC.	GRANT
2119	14/484144	US	LG ELECTRONICS INC.	PENDING
2120	9226014	US	LG ELECTRONICS INC.	GRANT
2121	2725288	CA	LG ELECTRONICS INC.	PENDING
2122	8537746	US	LG ELECTRONICS INC.	GRANT
2123	13/968239	US	LG ELECTRONICS INC.	PENDING
2124	2726831	CA	LG ELECTRONICS INC.	GRANT
2125	8365229	US	LG ELECTRONICS INC.	GRANT
2126	8572658	US	LG ELECTRONICS INC.	GRANT
2127	8966554	US	LG ELECTRONICS INC.	GRANT
2128	14/563900	US	LG ELECTRONICS INC.	PENDING
2129	2726835	CA	LG ELECTRONICS INC.	GRANT
2130	8422509	US	LG ELECTRONICS INC.	GRANT
2131	8767764	US	LG ELECTRONICS INC.	GRANT
2132	14/277923	US	LG ELECTRONICS INC.	PENDING
2133	14/277960	US	LG ELECTRONICS INC.	PENDING

2134	14/727492	US	LG ELECTRONICS INC.	PENDING
2135	8407743	US	LG ELECTRONICS INC.	GRANT
2136	8646008	US	LG ELECTRONICS INC.	GRANT
2137	14/148178	US	LG ELECTRONICS INC.	PENDING
2138	8839329	US	LG ELECTRONICS INC.	GRANT
2139	8272022	US	LG ELECTRONICS INC.	GRANT
2140	8572664	US	LG ELECTRONICS INC.	GRANT
2141	8752109	US	LG ELECTRONICS INC.	GRANT
2142	14/269880	US	LG ELECTRONICS INC.	PENDING
2143	2739885	CA	LG ELECTRONICS INC.	PENDING
2144	8347343	US	LG ELECTRONICS INC.	GRANT
2145	13/705841	US	LG ELECTRONICS INC.	PENDING
2146	2743997	CA	LG ELECTRONICS INC.	GRANT
2147	2811135	CA	LG ELECTRONICS INC.	PENDING
2148	8166192	US	LG ELECTRONICS INC.	GRANT
2149	8898328	US	LG ELECTRONICS INC.	GRANT
2150	14/516106	US	LG ELECTRONICS INC.	PENDING
2151	2744183	CA	LG ELECTRONICS INC.	GRANT
2152	8156237	US	LG ELECTRONICS INC.	GRANT
2153	8504714	US	LG ELECTRONICS INC.	GRANT
2154	13/935328	US	LG ELECTRONICS INC.	PENDING
2155	14/187624	US	LG ELECTRONICS INC.	PENDING
2156	8161512	US	LG ELECTRONICS INC.	GRANT
2157	2746186	CA	LG ELECTRONICS INC.	GRANT
2158	2815593	CA	LG ELECTRONICS INC.	PENDING
2159	8997158	US	LG ELECTRONICS INC.	GRANT
2160	14/626008	US	LG ELECTRONICS INC.	PENDING
2161	14/626608	US	LG ELECTRONICS INC.	PENDING
2162	8307393	US	LG ELECTRONICS INC.	GRANT
2163	8782725	US	LG ELECTRONICS INC.	GRANT
2164	14/246755	US	LG ELECTRONICS INC.	PENDING
2165	8839329	US	LG ELECTRONICS INC.	GRANT
2166	14/452786	US	LG ELECTRONICS INC.	PENDING
2167	2795191	CA	LG ELECTRONICS INC.	PENDING
2168	2845224	CA	LG ELECTRONICS INC.	PENDING
2169	2794399	CA	LG ELECTRONICS INC.	PENDING
2170	2851888	CA	LG ELECTRONICS INC.	PENDING
2171	13/636529	US	LG ELECTRONICS INC.	PENDING
2172	8302131	US	LG ELECTRONICS INC.	GRANT
2173	8549566	US	LG ELECTRONICS INC.	GRANT
2174	13/846449	US	LG ELECTRONICS INC.	PENDING
2175	8874683	US	LG ELECTRONICS INC.	GRANT
2176	14/467154	US	LG ELECTRONICS INC.	PENDING

2177	14/468507	US	LG ELECTRONICS INC.	PENDING
2178	8869216	US	LG ELECTRONICS INC.	GRANT
2179	14/467154	US	LG ELECTRONICS INC.	PENDING
2180	14/468507	US	LG ELECTRONICS INC.	PENDING
2181	12/688532	US	LG ELECTRONICS INC.	PENDING
2182	14/637119	US	LG ELECTRONICS INC.	PENDING
2183	14/346541	US	LG ELECTRONICS INC.	PENDING
2184	2843583	CA	LG ELECTRONICS INC.	PENDING
2185	2012-80039952	CN	LG ELECTRONICS INC.	PENDING
2186	14/343322	US	LG ELECTRONICS INC.	PENDING
2187	2013-80004445	CA	LG ELECTRONICS INC.	PENDING
2188	2849064	CN	LG ELECTRONICS INC.	PENDING
2189	10-2014-7004117	KR	LG ELECTRONICS INC.	PENDING
2190	13808464	EP	LG ELECTRONICS INC.	PENDING
2191	2013-80033958	CN	LG ELECTRONICS INC.	PENDING
2192	10-2014-7031607	KR	LG ELECTRONICS INC.	PENDING
2193	2015-517199	JP	LG ELECTRONICS INC.	PENDING
2194	2875465	CA	LG ELECTRONICS INC.	PENDING
2195	1120140325545	BR	LG ELECTRONICS INC.	PENDING
2196	MXa2014014422	MX	LG ELECTRONICS INC.	PENDING
2197	13/925263	US	LG ELECTRONICS INC.	PENDING
2198	14/689432	US	LG ELECTRONICS INC.	PENDING
2199	13810141	EP	LG ELECTRONICS INC.	PENDING
2200	2013-80033802	CN	LG ELECTRONICS INC.	PENDING
2201	10-2014-7031606	KR	LG ELECTRONICS INC.	PENDING
2202	MXa2014014421	MX	LG ELECTRONICS INC.	PENDING
2203	2015-517200	JP	LG ELECTRONICS INC.	PENDING
2204	2873374	CA	LG ELECTRONICS INC.	PENDING
2205	14/202964	US	LG ELECTRONICS INC.	PENDING
2206	8938752	US	LG ELECTRONICS INC.	GRANT
2207	14/567071	US	LG ELECTRONICS INC.	PENDING
2208	8719856	US	LG ELECTRONICS INC.	GRANT
2209	8881221	US	LG ELECTRONICS INC.	GRANT
2210	9009774	US	LG ELECTRONICS INC.	GRANT
2211	14/660032	US	LG ELECTRONICS INC.	PENDING
2212	8806561	US	LG ELECTRONICS INC.	GRANT
2213	2015-526465	JP	LG ELECTRONICS INC.	PENDING
2214	13/972673	US	LG ELECTRONICS INC.	PENDING

2215	14/724412	US	LG ELECTRONICS INC.	PENDING
2216	14/729425	US	LG ELECTRONICS INC.	PENDING
2217	14/025227	US	LG ELECTRONICS INC.	PENDING
2218	14/012581	US	LG ELECTRONICS INC.	PENDING
2219	14/012515	US	LG ELECTRONICS INC.	PENDING
2220	13842771	EP	LG ELECTRONICS INC.	PENDING
2221	2878043	CA	LG ELECTRONICS INC.	PENDING
2222	2013-80049658	CN	LG ELECTRONICS INC.	PENDING
2223	2015-527401	JP	LG ELECTRONICS INC.	PENDING
2224	14/036699	US	LG ELECTRONICS INC.	PENDING
2225	8887223	US	LG ELECTRONICS INC.	GRANT
2226	14/508728	US	LG ELECTRONICS INC.	PENDING
2227	14/056343	US	LG ELECTRONICS INC.	PENDING
2228	14/057472	US	LG ELECTRONICS INC.	PENDING
2229	14/091724	US	LG ELECTRONICS INC.	PENDING
2230	14/601369	US	LG ELECTRONICS INC.	PENDING
2231	13858377	EP	LG ELECTRONICS INC.	PENDING
2232	1274MUMNP2015	IN	LG ELECTRONICS INC.	PENDING
2233	2892071	CA	LG ELECTRONICS INC.	PENDING
2234	2013-80061956	CN	LG ELECTRONICS INC.	PENDING
2235	2015-545359	JP	LG ELECTRONICS INC.	PENDING
2236	1509058	GB	LG ELECTRONICS INC.	PENDING
2237	1120130054205	DE	LG ELECTRONICS INC.	PENDING
2238	MXa2015006601	MX	LG ELECTRONICS INC.	PENDING
2239	1120150121632	BR	LG ELECTRONICS INC.	PENDING
2240	10-2015-7016677	KR	LG ELECTRONICS INC.	PENDING
2241	8726328	US	LG ELECTRONICS INC.	GRANT
2242	14/209781	US	LG ELECTRONICS INC.	PENDING
2243	2013-7016074	KR	LG ELECTRONICS INC.	PENDING
2244	11854361	EP	LG ELECTRONICS INC.	PENDING
2245	2823037	CA	LG ELECTRONICS INC.	PENDING
2246	2011-80062902	CN	LG ELECTRONICS INC.	PENDING
2247	1311853	GB	LG ELECTRONICS INC.	PENDING
2248	112011103965	DE	LG ELECTRONICS INC.	PENDING
2249	11842488	EP	LG ELECTRONICS INC.	PENDING
2250	13/883600	US	LG ELECTRONICS INC.	PENDING
2251	14/326687	US	LG ELECTRONICS INC.	PENDING
2252	14/982913	US	LG ELECTRONICS INC.	PENDING
2253	2814196	CA	LG ELECTRONICS INC.	PENDING

2254	2011-80056746	CN	LG ELECTRONICS INC.	PENDING
2255	10-2012-7007110	KR	LG ELECTRONICS INC.	PENDING
2256	9210479	US	LG ELECTRONICS INC.	GRANT
2257	13/336910	US	LG ELECTRONICS INC.	PENDING
2258	11854516	EP	LG ELECTRONICS INC.	PENDING
2259	2822603	CA	LG ELECTRONICS INC.	PENDING
2260	1312292	GB	LG ELECTRONICS INC.	PENDING
2261	112011103963	DE	LG ELECTRONICS INC.	PENDING
2262	2011-80062925	CN	LG ELECTRONICS INC.	PENDING
2263	8978083	US	LG ELECTRONICS INC.	GRANT
2264	14/604070	US	LG ELECTRONICS INC.	PENDING
2265	14/126184	US	LG ELECTRONICS INC.	PENDING
2266	12826076	EP	LG ELECTRONICS INC.	PENDING
2267	13/567620	US	LG ELECTRONICS INC.	PENDING
2268	14/790952	US	LG ELECTRONICS INC.	PENDING
2269	2846052	CA	LG ELECTRONICS INC.	PENDING
2270	2012-80045048	CN	LG ELECTRONICS INC.	PENDING
2271	RE37057	US	LG ELECTRONICS INC.	GRANT
2272	6188727	US	LG ELECTRONICS INC.	GRANT
2273	10-0251549	KR	LG ELECTRONICS INC.	GRANT
2274	7277593	US	LG ELECTRONICS INC.	GRANT
2275	7233706	US	LG ELECTRONICS INC.	GRANT
2276	7262886	US	LG ELECTRONICS INC.	GRANT
2277	7289682	US	LG ELECTRONICS INC.	GRANT
2278	7391921	US	LG ELECTRONICS INC.	GRANT
2279	7359569	US	LG ELECTRONICS INC.	GRANT
2280	7,394,945	US	LG ELECTRONICS INC.	GRANT
2281	7362914	US	LG ELECTRONICS INC.	GRANT
2282	7391922	US	LG ELECTRONICS INC.	GRANT
2283	7403667	US	LG ELECTRONICS INC.	GRANT
2284	7437015	US	LG ELECTRONICS INC.	GRANT
2285	7379616	US	LG ELECTRONICS INC.	GRANT
2286	7397965	US	LG ELECTRONICS INC.	GRANT
2287	7616831	US	LG ELECTRONICS INC.	GRANT
2288	7616833	US	LG ELECTRONICS INC.	GRANT
2289	7599571	US	LG ELECTRONICS INC.	GRANT
2290	7492960	US	LG ELECTRONICS INC.	GRANT
2291	7492961	US	LG ELECTRONICS INC.	GRANT
2292	7499598	US	LG ELECTRONICS INC.	GRANT
2293	7616832	US	LG ELECTRONICS INC.	GRANT
2294	7620262	US	LG ELECTRONICS INC.	GRANT

2295	7496239	US	LG ELECTRONICS INC.	GRANT
2296	7492959	US	LG ELECTRONICS INC.	GRANT
2297	7463786	US	LG ELECTRONICS INC.	GRANT
2298	10-0617598	KR	LG ELECTRONICS INC.	GRANT
2299	10-0757830	KR	LG ELECTRONICS INC.	GRANT
2300	10-0757829	KR	LG ELECTRONICS INC.	GRANT
2301	10-0757831	KR	LG ELECTRONICS INC.	GRANT
2302	10-0757832	KR	LG ELECTRONICS INC.	GRANT
2303	10-0252994	KR	LG ELECTRONICS INC.	GRANT
2304	6912351	US	LG ELECTRONICS INC.	GRANT
2305	7433525	US	LG ELECTRONICS INC.	GRANT
2306	7486832	US	LG ELECTRONICS INC.	GRANT
2307	7447367	US	LG ELECTRONICS INC.	GRANT
2308	7440627	US	LG ELECTRONICS INC.	GRANT
2309	7403663	US	LG ELECTRONICS INC.	GRANT
2310	7424159	US	LG ELECTRONICS INC.	GRANT
2311	7680347	US	LG ELECTRONICS INC.	GRANT
2312	7463776	US	LG ELECTRONICS INC.	GRANT
2313	7577303	US	LG ELECTRONICS INC.	GRANT
2314	7587090	US	LG ELECTRONICS INC.	GRANT
2315	7577304	US	LG ELECTRONICS INC.	GRANT
2316	7580583	US	LG ELECTRONICS INC.	GRANT
2317	RE41089	US	LG ELECTRONICS INC.	GRANT
2318	RE41835	US	LG ELECTRONICS INC.	GRANT
2319	RE41907	US	LG ELECTRONICS INC.	GRANT
2320	RE41400	US	LG ELECTRONICS INC.	GRANT
2321	RE40178	US	LG ELECTRONICS INC.	GRANT
2322	RE40179	US	LG ELECTRONICS INC.	GRANT
2323	RE40177	US	LG ELECTRONICS INC.	GRANT
2324	RE40180	US	LG ELECTRONICS INC.	GRANT
2325	RE41459	US	LG ELECTRONICS INC.	GRANT
2326	RE41420	US	LG ELECTRONICS INC.	GRANT
2327	RE41436	US	LG ELECTRONICS INC.	GRANT
2328	RE41402	US	LG ELECTRONICS INC.	GRANT
2329	RE41419	US	LG ELECTRONICS INC.	GRANT
2330	RE41403	US	LG ELECTRONICS INC.	GRANT
2331	RE41406	US	LG ELECTRONICS INC.	GRANT
2332	RE41423	US	LG ELECTRONICS INC.	GRANT
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Disclosure of Information

In accordance with Sections 3 and 4 of the ATSC Patent Policy, if the Discloser has made a licensing declaration under paragraph (c) above, please provide the following information;

- an identification of each patent or patent application that is the subject matter of the Essential Claim;
- an identification of specific section(s) or text of the Specification Document that are relevant to the Essential Claim; and
- an identification of each patent or patent application claim covering the Specification Document.

This information is informal in nature and does not constitute a legal opinion, but should be based on "good faith and belief" of the Discloser. Information provided in this section does not represent a formal "notice" that implementation of any resulting ATSC Standard or Recommended Practice would infringe any patent or patent application for the Essential Claim.

Completed By:

Name of Participant

LG ELECTRONICS INC.

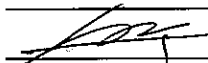
Name of Representative

SEONG JU , LEE

Title of Representative

Senior Manager

Signature



Place, Date

Seoul, Korea September 23 , 2016