

ATSC

Disclosure Statement and Licensing Declaration

This declaration does not represent an implied license grant

Please return to:

President ATSC	
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Discloser:	
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URL (Optional)	
Identification of ATSC Specification Document relevant to the Disclosure Statement:	
Number	A/104
Title	3DTV Terrestrial Broadcasting, Part 4

Licensing Declaration	
<p>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).</p>	
<input type="checkbox"/>	<p>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.</p> <p>Mark here <u> </u> if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.</p>
<input checked="" type="checkbox"/>	<p>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.</p> <p>Mark here <u> </u> if the Discloser's willingness to license is conditioned on reciprocity for the above ATSC Standard.</p>
<input type="checkbox"/>	<p>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.</p>
<p>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.</p> <p>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.</p>	

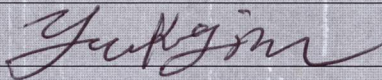
Disclosure of Patents In accordance with Sections 3 and 4 of the ATSC Patent Policy, please identify each patent or patent application forming the subject matter of any Potential Claim of which any Representative of the Discloser who is active in an ATSC technology group or specialist group has actual 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. and Country	Patent / Application Holder	Status [granted/pending]
1	14/199295 U.S.A.	ETRI	Pending
2	07851325.6 E.P.O	ETRI	Pending
3	201110298102.2 CHINA	ETRI	Pending
4	10-0905723 KOREA	ETRI	Granted
5	10-0972792 KOREA	ETRI	Granted
6	8917314 U.S.A.	ETRI	Granted
7	09824929.5 E.P.O	ETRI	Pending
8	ZL 200980153631.4 CHINA	ETRI	Granted
9	10-1305789 KOREA	ETRI and UNIVERSITY OF SEOUL	Granted
10	10810076.9 E.P.O	ETRI	Pending
11	12/969179 U.S.A.	ETRI	Pending
12	10-2014-0047367 KOREA	ETRI	Pending
13	13/277081 U.S.A	ETRI	Pending
14	14/304032 U.S.A	ETRI	Pending
15	13/979799 U.S.A.	ETRI	Pending
16	10-2012-0004990 KOREA	ETRI	Pending
17	14/003969 U.S.A.	ETRI	Pending
18	12754829.5 E.P.O	ETRI	Pending
19	10-2012-0024344 KOREA	ETRI	Pending
20	14/003942 U.S.A.	ETRI	Pending
21	12755204.0 E.P.O	ETRI	Pending
22	10-2012-0024669 KOREA	ETRI	Pending
23	14/003953 U.S.A.	ETRI	Pending
24	12754395.7 E.P.O	ETRI	Pending
25	10-2012-0024672 KOREA	ETRI	Pending
26	14/005077 U.S.A.	ETRI	Pending

No.	Patent / Application No. and Country	Patent / Application Holder	Status [granted/pending]
27	12760647.3 E.P.O	ETRI	Pending
28	10-2012-0029158 KOREA	ETRI	Pending
29	PCT/KR2012/006045 PCT	ETRI and KYUNGHEE UNIVERSIRTY	Pending
30	14/235490 U.S.A.	ETRI and KYUNGHEE UNIVERSIRTY	Pending
31	12819673.0 E.P.O	ETRI and KYUNGHEE UNIVERSIRTY	Pending
32	10-2012-0082635 KOREA	ETRI and KYUNGHEE UNIVERSIRTY	Pending
33	10-2013-0147179 KOREA	ETRI and KYUNGHEE UNIVERSIRTY	Pending
34	8872140 U.S.A.	ETRI	Granted
35	10-2011-0126763 KOREA	ETRI	Pending
36	10-2012-0132306 KOREA	ETRI	Pending
37	13/863019 U.S.A.	ETRI and SAMSUNG ELECTRONICS	Pending
38	13/861848 U.S.A.	ETRI and SAMSUNG ELECTRONICS	Pending
39	PCT/KR2013/003004 PCT	ETRI and SAMSUNG ELECTRONICS	Pending
40	PCT/KR2013/003108 PCT	ETRI and SAMSUNG ELECTRONICS	Pending
41	10-2012-0114461 KOREA	ETRI and SAMSUNG ELECTRONICS	Pending
42	10-2012-0133017 KOREA	ETRI and SAMSUNG ELECTRONICS	Pending
43	13/861068 U.S.A.	ETRI and SAMSUNG ELECTRONICS	Pending
44	PCT/KR2013/003137 PCT	ETRI and SAMSUNG ELECTRONICS	Pending
45	10-2012-0116023 KOREA	ETRI and SAMSUNG ELECTRONICS	Pending
46	10-2014-0057614 KOREA	ETRI	Pending
47	14/326262 U.S.A.	ETRI	Pending
48	10-2014-0011528 KOREA	ETRI	Pending
49	14/512533 U.S.A.	ETRI	Pending

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;	
<ul style="list-style-type: none"> - 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. 	
<p>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.</p>	
Completed By:	Electronics and Telecommunication Research Institute
Name of Participant	
Name of Representative	Kugjin Yun
Title of Representative	Realistic Broadcasting Techonology Research Team
Signature	
Place, Date	February 16, 2015