

ATSC

Disclosure Statement and Licensing Declaration

This declaration does not represent an implied license grant

Please return to:

President
ATSC

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Washington, DC 20006
202-872-9160 – Office
202-872-9161 – Fax

Discloser:

Name of Participant Panasonic Corporation

Contact Information for Participant's Representative:

Name of Representative Mikihiro Ouchi
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Email ouchi.mikihiro@jp.panasonic.com

URL (Optional)

Identification of ATSC Specification Document relevant to the Disclosure Statement:

Number

Title A/321 System Discovery and Signaling for ATSC 3.0
A/322 Physical Layer Protocol for ATSC 3.0

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 <input type="checkbox"/> 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 <input checked="" type="checkbox"/> 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	Country	Patent/Application Holder	Status [granted/pending]
1	03724/KOL/2011	IN	Panasonic Intellectual Property Management Co., Ltd.	Pending
	201080011058.6	CN	Panasonic Corporation	granted
	10-1290950	KR	Panasonic Corporation	granted
	05290434	JP	Panasonic Corporation	granted
	8811370	US	Panasonic Intellectual Property Management Co., Ltd.	granted
	2526537	RU	Panasonic Corporation	granted
	2010340729	AU	Panasonic Corporation	granted
	W00201202587	ID	Panasonic Intellectual Property Management Co., Ltd.	Pending
	PI2012002836	MY	Panasonic Intellectual Property Management Co., Ltd.	Pending
	1-2012-01919	VN	Panasonic Intellectual Property Management Co., Ltd.	Pending
	10-1290874	KR	Panasonic Corporation	granted
	10-1290959	KR	Panasonic Corporation	granted
	05617010	JP	Panasonic Corporation	granted
	05543639	JP	Panasonic Corporation	granted
	2567851	RU	Panasonic Corporation	granted
	2014203784	AU	Panasonic Intellectual Property Management Co., Ltd.	Pending
	9042365	US	Panasonic Intellectual Property Management Co., Ltd.	granted
	201510100214.0	CN	Panasonic Intellectual Property Management Co., Ltd.	Pending
	201510101167.1	CN	Panasonic Intellectual Property Management Co., Ltd.	Pending
	14/657158	US	Panasonic Intellectual Property Management Co., Ltd.	Pending
2015140800	RU	Panasonic Corporation	Pending	
10842055.5	EP	Panasonic Intellectual Property Management Co., Ltd.	Pending	
2	9077377	US	Panasonic Intellectual Property Management Co., Ltd.	granted
	05719998	JP	Panasonic Corporation	granted
	201180001730.8	CN	Panasonic Corporation	granted
	14/598770	US	Panasonic Intellectual Property Management Co., Ltd.	Pending
	2015-009976	JP	Panasonic Corporation	Pending
	2015-197562	JP	Panasonic Corporation	Pending
	11742030.7	EP	Panasonic Intellectual Property Management Co., Ltd.	Pending
3	05512458	JP	Panasonic Intellectual Property Corporation of America	granted
	05732567	JP	Panasonic Intellectual Property Corporation of America	granted
	2015-080839	JP	Panasonic Intellectual Property Corporation of America	Pending
	05578620	JP	Panasonic Intellectual Property Corporation of America	granted
	05781202	JP	Panasonic Intellectual Property Corporation of America	granted
	2015-139819	JP	Panasonic Intellectual Property Corporation of America	Pending
	05578618	JP	Panasonic Intellectual Property Corporation of America	granted
	05788572	JP	Panasonic Intellectual Property Corporation of America	granted
	2015-149585	JP	Panasonic Intellectual Property Corporation of America	Pending
	I511484	TW	Panasonic Intellectual Property Corporation of America	granted
8842772	US	Panasonic Intellectual Property Corporation of America	granted	

	201180029416.0	CN	Panasonic Intellectual Property Corporation of America	granted
	10-1375064	KR	Panasonic Intellectual Property Corporation of America	granted
	10894/DEL/2012	IN	Panasonic Intellectual Property Corporation of America	Pending
	322272	MX	Panasonic Intellectual Property Corporation of America	granted
	325753	MX	Panasonic Intellectual Property Corporation of America	granted
	14/454314	US	Panasonic Intellectual Property Corporation of America	Pending
	330275	MX	Panasonic Intellectual Property Corporation of America	granted
	334295	MX	Panasonic Intellectual Property Corporation of America	granted
	201510463269.8	CN	Panasonic Intellectual Property Corporation of America	Pending
	201510462870.5	CN	Panasonic Intellectual Property Corporation of America	Pending
	2015/014850	MX	Panasonic Intellectual Property Corporation of America	Pending
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	2445131	FR	Panasonic Intellectual Property Corporation of America	granted
	2445131	IT	Panasonic Intellectual Property Corporation of America	granted
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4	05623248	JP	Panasonic Intellectual Property Corporation of America	granted
	05860941	JP	Panasonic Intellectual Property Corporation of America	granted
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	8848819	US	Panasonic Intellectual Property Corporation of America	granted
	9054755	US	Panasonic Intellectual Property Corporation of America	granted
	9048899	US	Panasonic Intellectual Property Corporation of America	granted
	9184816	US	Panasonic Intellectual Property Corporation of America	granted
	14/876866	US	Panasonic Intellectual Property Corporation of America	Pending
	15/044432	US	Panasonic Intellectual Property Corporation of America	Pending
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5	05578617	JP	Panasonic Intellectual Property Corporation of America	granted
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	2016-022436	JP	Panasonic Intellectual Property Corporation of America	Pending
	100137708	TW	Panasonic Intellectual Property Corporation of America	Pending
	2011/19555	GC	Panasonic Intellectual Property Corporation of America	Pending
	20110103828	AR	Panasonic Intellectual Property Corporation of America	Pending
	8831134	US	Panasonic Intellectual Property Corporation of America	granted
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	326541	MX	Panasonic Intellectual Property Corporation of America	granted
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	2013/00697	ZA	Panasonic Intellectual Property Corporation of America	Pending
	PCT177/2013	EG	Panasonic Intellectual Property Corporation of America	Pending
	NG/C/2013/055	NG	Panasonic Intellectual Property Corporation of America	Pending
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	334123	MX	Panasonic Intellectual Property Corporation of America	granted
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	2014/008920	MX	Panasonic Intellectual Property Corporation of America	Pending
	9252855	US	Panasonic Intellectual Property Corporation of America	granted
	14/980186	US	Panasonic Intellectual Property Corporation of America	Pending
	2016/001831	MX	Panasonic Intellectual Property Corporation of America	Pending
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7	8948305	US	Panasonic Intellectual Property Corporation of America	granted
	9136927	US	Panasonic Intellectual Property Corporation of America	granted
	14/820922	US	Panasonic Intellectual Property Corporation of America	Pending
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	2011/19938	GC	Panasonic Intellectual Property Corporation of America	Pending
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	13/810783	US	Panasonic Intellectual Property Corporation of America	Pending
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	326243	MX	Panasonic Intellectual Property Corporation of America	granted
	2014/015106	MX	Panasonic Intellectual Property Corporation of America	Pending
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	2015/015185	MX	Panasonic Intellectual Property Corporation of America	Pending
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	2013-7001013	KR	Panasonic Intellectual Property Corporation of America	Pending
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	2015-087594	JP	Panasonic Intellectual Property Corporation of America	Pending
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	2015-181671	JP	Panasonic Intellectual Property Corporation of America	Pending
	15/016718	US	Panasonic Intellectual Property Corporation of America	Pending
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	14/860018	US	Panasonic Intellectual Property Corporation of America	Pending
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26	201480022602.5	CN	Panasonic Intellectual Property Corporation of America	Pending
	14/941583	US	Panasonic Intellectual Property Corporation of America	Pending
	14813446.3	EP	Panasonic Intellectual Property Corporation of America	Pending
27	201480025942.3	CN	Panasonic Intellectual Property Corporation of America	Pending
	14/951759	US	Panasonic Intellectual Property Corporation of America	Pending
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28	14/730552	US	Panasonic Intellectual Property Corporation of America	Pending
29	201480028426.6	CN	Panasonic Intellectual Property Corporation of America	Pending
	14/968947	US	Panasonic Intellectual Property Corporation of America	Pending
30	14825951.8	EP	Panasonic Intellectual Property Corporation of America	Pending
	201480028833.7	CN	Panasonic Intellectual Property Corporation of America	Pending
	14/965900	US	Panasonic Intellectual Property Corporation of America	Pending
	14830355.5	EP	Panasonic Intellectual Property Corporation of America	Pending
31	201480027612.8	CN	Panasonic Intellectual Property Corporation of America	Pending
	14/970750	US	Panasonic Intellectual Property Corporation of America	Pending
	14830237.5	EP	Panasonic Intellectual Property Corporation of America	Pending
32	2015-023581	JP	Panasonic Corporation	Pending
	15/011706	US	Panasonic Intellectual Property Management Co., Ltd.	Pending

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 Panasonic Corporation

Name of Representative Hideo Toyoda

Title of Representative Director of Intellectual Property Center

Signature

豊田 徳夫

Place, Date

Osaka, Japan Mar. 18, 2016