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Berlin, 20. September 2017

Dear Madam or Sir,

Please find attached the Disclosure Statement and Licensing Declaration form regarding the proposed standard A/331, Signaling, Delivery, Synchronization and Error Protection.

A notification of receipt would be appreciated.

Kind regards,

A handwritten signature in black ink that reads "Karsten Grüneberg".

Karsten Grüneberg
Fraunhofer Institut für Nachrichtentechnik
Heinrich-Hertz-Institut

Dear Madam or Sir,

Please find attached the Disclosure Statement and Licensing Declaration by Fraunhofer regarding the proposed standard A/331.

Kind regards

--

Karsten Grüneberg

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

Please return to:

President - ATSC
 1750 K Street NW
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 202-872-9160 – Office
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Discloser:	
Name of Participant	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
Contact information for Participant's Representative:	
Name of Representative	Dr. Werner Liebler
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URL (optional)	https://www.fraunhofer.de/en.html
Identification of ATSC Specification Document relevant to the Disclosure Statement:	
Number	A/331
Title	ATSC Proposed Std: Signaling, Delivery, Synchronization, and Error Protection

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 X 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.

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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.

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N n.	Patent / Application No. and Country	Patent / Application Holder	Status [granted/ pending]
1	JP 6079500	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2017-01-13)
2	IN 273550	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2016-06-15)
3	CA 2702017	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2015-01-27)
4	JP 5523321	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2014-04-16)
5	CN 101642090	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2015-12-25)
6	US 8233532	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2012-07-31)
7	RU 2401052	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2012-09-10)
8	KR 10-1159432	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2012-05-16)
9	TW 1463875	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2014-12-01)
10	CA 2722304	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2016-06-09)
11	JP 5238069	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2013-04-05)
12	KR 10-1204134	Fraunhofer-Gesellschaft zur Förderung der angewandten	granted (2012-11-16)
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