

**EXHIBIT A**

**Patent Statement and Licensing Declaration Form for DASH Industry Forum Deliverable**

*This declaration does not represent an actual grant of a license*

Name of DASH Industry Forum Deliverable: DASH-TAPASS v1.0

Token-based Authorization Protocol and Authentication Scheme Signaling (TAPASS) v 1.0

Please return to DASH Industry Forum as instructed below:

Dash Industry Forum Executive Director  
3855 SW 153rd Drive  
Beaverton, OR 97003  
Fax: 1-503-644-6708  
Email: [dashindustry@live.com](mailto:dashindustry@live.com)

**Patent Holder:**

Legal Name Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO and Koninklijke KPN N.V.

**Contact for license application:**

Name & Department Mr. H.J. (Henk Jan) Vink, Director of Innovation

Address Anna van Buerenplein 1

2595 DA The Hague, Netherlands

Tel. +31 88 866 8239

Fax -

E-mail rob.kambeel@tno.nl

URL (optional) tno.nl

**Licensing declaration:**

The Patent Holder believes that it holds granted and/or pending applications for patents, the use of which would be required to implement a DASH Industry Forum Deliverable and hereby declares, in accordance with the IPR Policy of the DASH Industry Forum, that (check one box only):

1. The Patent Holder is prepared to grant a free of charge license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and under other reasonable terms and conditions to make, use, and sell implementations of the above document.

Negotiations are left to the parties concerned and are performed outside the DASH Industry Forum.

*Also mark here  if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.*

*Also mark here  if the Patent Holder reserves the right to license on reasonable terms and conditions (but not free of charge) to applicants who are only willing to license their patent claims, whose use would be required to implement the above document, on reasonable terms and conditions (but not free of charge).*

2. The Patent Holder is prepared to grant a license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and on reasonable terms and conditions to make, use and sell implementations of the above document.

Negotiations are left to the parties concerned and are performed outside the DASH Industry Forum.

*Also mark here  if the Patent Holder's willingness to license is conditioned on reciprocity for the above document.*

3. The Patent Holder is unwilling to grant licenses in accordance with provisions of either 1 or 2 above.

In this case, the following information must be provided to the DASH Industry Forum, as part of this declaration:

- granted patent number or patent application number (if pending);
- an indication of which portions of the above document are affected;
- a description of the patent claims covering the above document.

Free of charge: The words "free of charge" do not mean that the Patent Holder is waiving all of its rights with respect to the essential patent. Rather, "free of charge" refers to the issue of monetary compensation; *i.e.*, that the Patent Holder 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 Patent Holder in this situation is committing to not charging any monetary amount, the Patent Holder is still entitled to require that the implementer of the above 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 Patent Holder shall only be required to license any prospective licensee if such prospective licensee will commit to license its essential patent(s) or essential patent claim(s) for implementation of the same above document free of charge or under reasonable terms and conditions.

Patent: The word "Patent" means those claims contained in and identified by patents, utility models and other similar statutory rights based on inventions (including applications for any of these) solely to the extent that any such claims are essential to the implementation of the same above document. Essential patents are patents that would be required to implement a specific DASH Industry Forum Deliverable.

**Signature:**

Patent Holder

Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO and Koninklijke KPN N.V.

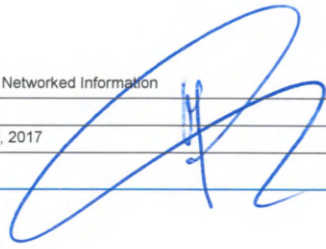
Name of authorized person

Henk Jan Vink

Title of authorized person  
Signature  
Place, Date

Director of Innovation Networked Information

The Hague, March 29, 2017



M. J. - Vink

<b>Patent Information</b> (desired but not required for options 1 and 2; required in DASH Industry Forum for option 3 (NOTE))				
<b>No.</b>	<b>Status</b> [granted/pending]	<b>Country</b>	<b>Granted Patent Number or Application Number (if pending)</b>	<b>Title</b>
1	Pending	EP	EP 13189211.9	Token-Based Validation Method for Segmented Content Delivery
2	Pending	US	US 14/056,127	Token-Based Validation Method for Segmented Content Delivery
3	Pending	EP Divisional	EP 15163003.5	Token-Based Validation Method for Segmented Content Delivery

*NOTE: For option 3, the additional minimum information that shall also be provided is listed in the option 3 box above.*

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