PATENT STATEMENT AND LICENSING DECLARATION FORM FOR ITU-T OR ITU-R RECOMMENDATION | ISO OR IEC DELIVERABLE



Director

Telecommunication

Place des Nations

Switzerland

CH-1211 Geneva 20,

Standardization Bureau

International Telecommunication



Secretary-General

Standardization

Switzerland

International Organization for

8 Chemin de Blandonnet

1214 Vernier, Geneva

Fax: +41 22 733 3430



General Secretary

3 rue de Varembé CH-1211 Geneva 20

Fax: +41 22 919 0300

Commission

Switzerland

International Electrotechnical

Patent Statement and Licensing Declaration for ITU-T or ITU-R Recommendation | ISO or IEC Deliverable

This declaration does not represent an actual grant of a license

Please return to the relevant organization(s) as instructed below per document type:

Radiocommunication Bureau

International Telecommunication

Director

Union

Place des Nations

Switzerland

CH-1211 Geneva 20,

Fax: +41 22 730 5785

Fax: +41 22 730 5853 Email: tsbdir@itu.int	Email: brmail@itu.int	Email; patent statements a iso org	inmail@iec.ch
Patent Holder:	ng (ng ng n	######################################	
Legal Name	Electronics and Telecomm	unications Research Instit	tute
Contact for license	application:		
Name &	Junghwan Yoon, IP Busin	ess Section	
Department			
Address	218 Gajeong-ro, Yuseong-	-gu, Daejeon, 34129, KO	REA
Tel.	+82 (0)42 860 3805		
Fax	+82 (0)42 860 3831		
E-mail	hwanyy2@etri.re.kr		
URL (optional)	www.etri.re.kr		
Document type:			
ITU-T Rec. (*) ITU-R Rec. (*)	ISO Deliverable (*)	IEC Deliverable (*)
	orm to the relevant Organization		
	or twin text (ITU-T Rec. IS		or common text or twin text,
please return the for	m to each of the three Organiza	itions: ITU-T, ISO, IEC)	
ISO/IEC Del	iverable (*) (for ISO/IEC Deliv	verables inlease return the f	orm to both ISO and IEC)
(*)Number	ITU-T Y.3601	The section of the se	om to com too und rec)
(*)Title	Big data - framework and red	quirements for data exchan-	ge

The Pater be require	declaration: It Holder believes that it holds granted and/or pending applications for Patents, the use of which would be to implement the above document and hereby declares, in accordance with the Common Patent Policy C/ITU-R/ISO/IEC, that (check one box only):
101110-1	711 O-10130/1BC, that (check one box only).
	1. The Patent Holder is prepared to grant a <u>Free of Charge</u> 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 ITU-T, ITU-R, ISO or IEC.
	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 <u>Free of Charge</u>) to applicants who are only willing to license their Patent, whose use would be required to implement the above document, on reasonable terms and conditions (but not <u>Free of Charge</u>).
K7	2. The Patent Holder is prepared to grant a license to an unrestricted number of applicants on a
X	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 ITU-T, ITU-R, ISO, or
	IEC.
	Also mark here D 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 ITU, and is strongly desired by ISO and
	IEC, 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 Patents 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 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 same above document sign a license agreement that contains other reasonable terms and conditions such as those relating to governing law, field of use, warranties, etc.

Reciprocity: 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 Patent(s) for implementation of the same above document Free of Charge or under reasonable terms and conditions.

<u>Patent</u>: 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 Recommendation | Deliverable.

Assignment/transfer of Patent rights: Licensing declarations made pursuant to Clause 2.1 or 2.2 of the Common Patent Policy for ITU-T/ITU-R/ISO/IEC shall be interpreted as encumbrances that bind all successors-in-interest as to the transferred Patents. Recognizing that this interpretation may not apply in all jurisdictions, any Patent Holder who has submitted a licensing declaration according to the Common Patent Policy - be it selected as option 1 or 2 on the Patent Declaration form - who transfers ownership of a Patent that is subject to such licensing declaration shall include appropriate provisions in the relevant transfer documents to ensure that, as to such transferred Patent, the licensing declaration is binding on the transferce and that the transferce will similarly include appropriate provisions in the event of future transfers with the goal of binding all successors-in-interest.

No.	Status [granted/pending]	Country	Granted Patent Number or Application Number (if pending)	Title
1	pending	US	15/338,546	BIG DATA DISTRIBUTION BROKERAGE SYSTEM USING DATA VERIFICATION AND METHOD THEREOF
2	pending	US	15/607.869	METHOD AND APPARATUS FOR REAL- TIME BIG DATA PROCESSING AND DISTRIBUTION BASED ON DATA SPECIFICATIONS
3				
4				
5				
6				
7	***************************************			
8				
9				
10				
	Check here if additional p	patent information is	provided on additional pages.	

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

Signature (include on final	page only):	
Patent Holder	Electronics and Telecommunications Research Institute (ETRI)	
Name of authorized person	Min-Sheo Choi	
Title of authorized person	Director	
Signature	Onight)	
Place, Date	Dagren Koren November 27, 2019	

FORM: 26 June 2015