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



Director

Union

Telecommunication

Place des Nations

CH-1211 Geneva 20,

Standardization Bureau

International Telecommunication





General Secretary

CH-1211 Geneva 20

Fax: +41 22 919 0300

Commission 3 rue de Varembé

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

Secretary-General

Standardization

CP 401

Switzerland

International Organization for

8 Chemin de Blandonnet

1214 Vernier, Geneva

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,

Switzerland Fax: +41 22 730 5853 Email: tsbdir@itu.int	Fax: +41 22 730 5785 Email: brmail@itu.int	Fax: +41 22 733 3430 Email: patent.statements@iso.org	Email: inmail@iec.ch
Patent Holder:			
Legal Name	Telefonaktiebolaget LM Erics	sson (publ)	
Contact for license a	application:		
Name &	IPR & Licensing		
Department			
Address	Torshamnsgatan 23		
	SE- 164 80 Stockholm		
Tel.			
Fax			
E-mail	Patent.licensing@ericsson.com	m	
URL (optional)			
Document type: X ITU-T Rec. (*)	ITU-R Rec. (*)	ISO Deliverable (*)	IEC Deliverable (*)
Common text	m to the relevant Organization) or twin text (ITU-T Rec. ISO n to each of the three Organizat	O/IEC Deliverable (*)) (for	r common text or twin text,
	C .	•	
ISO/IEC Deliv	erable (*) (for ISO/IEC Delive ITU-T G.987.3	rables, please return the for	m to both ISO and IEC)
(*)Number			
(*)Title	10-Gigabit-capable passive convergence (TC) layer spe	=	ON): Transmission

Licensing declaration:

X

The Patent Holder believes that it holds granted and/or pending applications for Patents, the use of which would be required to implement the above document and hereby declares, in accordance with the Common Patent Policy for ITU-T/ITU-R/ISO/IEC, 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 <u>Reciprocity</u> 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>).

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 ITU-T, ITU-R, ISO, or IFC

Also mark here X if the Patent Holder's willingness to license is conditioned on <u>Reciprocity</u> 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, ISO and/or 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.

<u>Free of Charge</u>: 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.

<u>Reciprocity</u>: 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 transferee and that the transferee will similarly include appropriate provisions in the event of future transfers with the goal of binding all successors-in-interest.

Patent Information (desired but not required for options 1 and 2; required in ITU, ISO and IEC for option 3 (NOTE))

No.	Status [granted/ pending]	Country	Granted Patent Number or Application Number (if	Title
1	Granted	US	pending) 8600231	Monitoring Energy Consumption in Optical
				Access Networks
2	Granted	EP	2852179	Monitoring Energy Consumption in Optical Access Networks
3	Granted	US	9590726	Monitoring Energy Consumption in Optical Access Networks
4	Granted	BR	112013003115-8	Monitoring Energy Consumption in Optical Access Networks
5	Granted	CA	2808549	Monitoring Energy Consumption in Optical Access Networks
6	Granted	MY	MY-157044-A	Monitoring Energy Consumption in Optical Access Networks
7	Granted	RU	2545130	Monitoring Energy Consumption in Optical Access Networks
8	Granted	KR	10-1459978	Monitoring Energy Consumption in Optical Access Networks
9	Granted	KR	10-1539193	Monitoring Energy Consumption in Optical Access Networks
10	Granted	AT	2606654	Monitoring Energy Consumption in Optical Access Networks

X

Check here if additional 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	Telefonaktiebolaget LM Ericsson (publ)	
Name of authorized person	Mathias Hellman	
Title of authorized person	Vice President	
Signature	Docusigned by: Mathias Hullman	
Place, Date	Stockholm; May 28, 2021	

Status:	Country:	Patent/Application nr:	Title:
Granted	FR	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	DE	602011014848.6	Monitoring Energy Consumption in Optical Access Networks
Granted	HU	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	IT	502015000022545	Monitoring Energy Consumption in Optical Access Networks
Granted	NL	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	PL	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	ES	ES2537984	Monitoring Energy Consumption in Optical Access Networks
Granted	SE	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	TR	2015/06715	Monitoring Energy Consumption in Optical Access Networks
Granted	GB	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	FI	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	BE	2606654	Monitoring Energy Consumption in Optical Access Networks
Granted	AT	2852179	Monitoring Energy Consumption in Optical Access Networks
Granted	CZ	2852179	Monitoring Energy Consumption in Optical Access Networks
Granted	DE	602011027030.3	Monitoring Energy Consumption in Optical Access Networks
Granted	GB	2852179	Monitoring Energy Consumption in Optical Access Networks
Granted	FR	2852179	Monitoring Energy Consumption in Optical Access Networks
Granted	ES	ES2588399 T3	Monitoring Energy Consumption in Optical Access Networks
Granted	IT	502016000086159	Monitoring Energy Consumption in Optical Access Networks
Granted	TR	2016/09167	Monitoring Energy Consumption in Optical Access Networks
Granted	SE	2852179	Monitoring Energy Consumption in Optical Access Networks
Granted	PL	2852179	Monitoring Energy Consumption in Optical Access Networks
Granted	CH	2852179	Monitoring Energy Consumption in Optical Access Networks
Granted	NL	2852179	Monitoring Energy Consumption in Optical Access Networks

Certificate Of Completion

Envelope Id: B24EE98035AC478CBFF3E50D75BA3279

Subject: Please DocuSign: P032106 ITU_ISO_IEC_Patent_Statement_and_Licensing_Declaration_Form.docx

Business Category:

Business Subject: Source Envelope:

Document Pages: 4

Certificate Pages: 1 AutoNav: Enabled

Signatures: 1 Initials: 0

Signature

DocuSigned by:

Mathias Hellman

2D356BF4D46C42A...

Envelopeld Stamping: Enabled

Time Zone: (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

Envelope Originator:

Status: Completed

Therese Rautila

Box 3 Stockholm, ST Sweden 172 81

therese.rautila@ericsson.com IP Address: 213.185.249.54

Record Tracking

Status: Original

5/28/2021 2:54:08 PM

Holder: Therese Rautila

therese.rautila@ericsson.com

Signature Adoption: Pre-selected Style

Using IP Address: 194.103.157.74

Location: DocuSign

Signer Events

Mathias Hellman mathias.hellman@ericsson.com

VP, Strategy & Portfolio Management, IPR &

Licensing

Ericsson AB (MAIN)

Security Level: Email, Account Authentication

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Timestamp

Sent: 5/28/2021 2:55:03 PM Viewed: 5/28/2021 4:01:12 PM Signed: 5/28/2021 4:02:32 PM

Payment Events	Status	Timestamps
Completed	Security Checked	5/28/2021 4:02:32 PM
Signing Complete	Security Checked	5/28/2021 4:02:32 PM
Certified Delivered	Security Checked	5/28/2021 4:01:12 PM
Envelope Sent	Hashed/Encrypted	5/28/2021 2:55:03 PM
Envelope Summary Events	Status	Timestamps
Notary Events	Signature	Timestamp
Witness Events	Signature	Timestamp
Carbon Copy Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Editor Delivery Events	Status	Timestamp
In Person Signer Events	Signature	Timestamp