

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VOLODYA GRANCHAROV	05/08/2017
	ERLENDUR KARLSSON	05/08/2017
	MAXIM TESLENKO	05/08/2017
	SIGURDUR SVERRISSON	06/01/2017
	KONSTANTINOS VANDIKAS	05/08/2017
	ANETA VULGARAKIS FELJAN	05/10/2017
RECEIVING PARTY DATA		
Name:	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	
Street Address:	SE-164 83	
City:	STOCKHOLM	
State/Country:	SWEDEN	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16609553	
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Email:	jjones@sagepat.com	
Correspondent Name:	DAVID K. PURKS	
Address Line 1:	SAGE PATENT GROUP	
Address Line 2:	P.O. BOX 30789	
Address Line 4:	RALEIGH, NORTH CAROLINA 27622-0789	
ATTORNEY DOCKET NUMBER:	9900-71474US1	
NAME OF SUBMITTER:	DAVID K. PURKS	
SIGNATURE:	/David K. Purks/	
DATE SIGNED:	11/19/2019	
Total Attachments: 10		
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ASSIGNMENT

This Assignment is made by:

GRANCHAROV, Volodya

**Ankdammsgatan 29
17167 Solna**

Sweden

KARLSSON, Erlendur

**Heimdalsvägen 4B
756 52 Uppsala**

Sweden

SVERRISSON, Sigurdur

**Krikonstigen 21
19632 Kungsängen**

Sweden

TESLENKO, Maxim

**Lillies Väg 80
192 74 SOLLENTUNA**

Sweden

VANDIKAS, Konstantinos

**Anders Lundströms Gata 18
169 73 SOLNA**

Sweden

VULGARAKIS FELJAN, Aneta

**Redskapsvägen 84
SE-162 43 Vällingby**

Sweden

(hereinafter referred to as "Assignor(s)") in favor, and for the benefit and behoof of, Telefonaktiebolaget LM Ericsson (publ), a corporation duly organized under and pursuant to the laws of Sweden and having its principal place of business at SE-164 83 Stockholm, Sweden (hereinafter referred to as "Assignee").

For good, sufficient and adequate consideration, the receipt of which is hereby acknowledged, the Assignor(s) have, as of the Effective Date, sold, assigned, transferred, and set over, and by these presents, and to the extent any transferable or assignable rights still remain with the inventor, do hereby sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the following inventions, application(s) for Letters Patent, and any and all Letters Patent or Patents in all countries and pursuant to all multilateral treaty organizations, including Sweden, the United States of America, the Patent Cooperation Treaty and European Patent Convention, that may be granted therefor and thereon, and in and to any and all divisions, continuations, continuations-in-part, conversions and utility models of said application(s), and reissues and extensions of said Letters Patent or Patents, the same to be held and enjoyed by the Assignee, for its use and behoof and the

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use and the behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent, Patents and Utility Models may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor(s) had this sale and assignment not been made:

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including, but not limited to, the application(s) for Letters Patent and Utility Model filed in:

Country Code	Priority Application(s)	Filing Date(s)
WO	PCT/SE2017/050457	2017-05-08
US	16/609,553	2019-10-30
		- -

The Effective date is the earliest date of the above listed Filing Date(s).

Assignor(s) hereby authorize and request Assignee's Attorneys to insert the serial number and filing date of said application(s) for Letter Patent or Utility Model, when known. The assignment of the above mentioned rights includes a transfer of the whole right to use a priority (including priority according to any convention, multilateral agreement, bilateral agreement and national law) of the above mentioned application(s) for Letter Patent and Utility Model in all countries and multilateral treaty organizations wherein no residual rights shall remain with the Assignor(s). Assignor(s) hereby request that said Letters Patent, Patent or Utility Model be issued to Assignee as the Assignee of said inventions, the Letters Patent, Patent or Utility Model to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns. Assignee alone hereinafter has the entire disposal of the invention and possesses entire ownership to any domestic and foreign patents or utility models granted thereafter. The rights granted hereunder shall include all rights to institute legal actions, obtain remedies and recover and retain damages in respect to said Letters Patent, Patent or Utility Model.

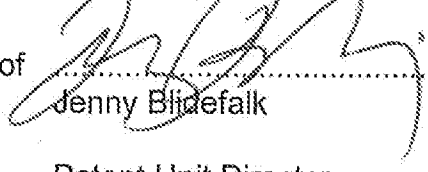
The Assignor(s) and Assignee hereby understand and agree that with the execution of this Assignment, to the extent necessary or appropriate, national and/or regional applications may be filed by the Assignee as the applicant and on behalf of the assignor.

To the extent Assignee is entitled to receive the rights hereunder pursuant to this Assignment, each of the Assignor(s) hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of the Effective Date, the Assignor(s) were the sole and lawful owners of the entire right, title, and interest in and to the inventions and application(s) for Letters Patent or Utility Models above-mentioned, and that the same are unencumbered, and that the Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

Further, and for the same consideration, the Assignor(s) hereby covenant(s) and agree(s) to and with the Assignee, its successors, legal representatives, and assigns that the Assignor(s) will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with

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Date July 4, 2017 Signature on behalf of 
Assignee Jenny Blidefalk
Patent Unit Director

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said inventions or said application(s) for Letters Patent or Utility Model, or any proceeding in connection with Letters Patent or Utility Model for said inventions, in any country and any multilateral treaty organization, including interference proceedings, is lawful and desirable, or that any division, continuation, continuation-in-part, conversion or Utility Model of any application(s) for Letters Patent or Utility Model, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Utility Model for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns. If any of the Assignor(s) is prevented by any obstacles from signing said documents in person, this Assignment shall be valid as a Power of Attorney for the Assignee to sign these documents on behalf of any such Assignor(s) or, in the event of the death of the latter, the estate thereof.

This Assignment shall be governed by and construed under, and any dispute, controversy or claim related hereto shall be decided in accordance with, the laws of:

Sweden

without regard to the conflicts of laws provisions thereof. Any dispute, controversy or claim arising under, out of or relating to this Assignment and any subsequent amendments of this Assignment, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach or termination, as well as non-contractual claims, shall be referred to and finally determined by arbitration in accordance with the WIPO Arbitration Rules. The arbitral tribunal shall consist of a sole arbitrator. The place of arbitration shall be in the country of the inventor's residence. The language to be used in the arbitral proceedings shall be English.

No modifications shall be made to this Assignment unless in writing and signed by each of the Assignor(s) and Assignee. If any of the provisions of this Assignment shall be deemed invalid or unenforceable, then the entire Assignment shall be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligations of Assignee and Assignor(s) shall be construed and enforced accordingly. Assignee's failure to exercise any option made available as a result hereof, shall not be construed as a waiver of such provisions, rights, or options, or affect the validity of this Assignment. Assignor covenants and agrees that it will not take any actions in violation of this Assignment.

Subsequent assignment from any of the assignors to the assignee purporting to convey the subject matter specified herein for a particular country, patent office, or jurisdiction shall not invalidate any provision of this assignment and any such subsequent assignment shall act as a further confirmation of the assignment herein.

ASSIGNMENT

Title: ASR TRAINING AND ADAPTATION

Date 2017-05-08 Signature of Assignor Volodya Grancharov
GRANCHAROV, Volodya

Date 2017-05-08 Witnessed by Tomas Jansson Tåftgård
Name: Tomas Tåftgård
Address: Apelgatan 20A
754 35 Uppsala
Sweden

Date 2017-05-08 Witnessed by Mats Folkesson
Name: Mats Folkesson
Address: Dglvägen 60
187 33 Täby
Sweden

ASSIGNMENT

Title: ASR TRAINING AND ADAPTATION

Date 2017-05-08 Signature of Assignor

Erlendur Karlsson
KARLSSON, Erlendur

Date 2017-05-08 Witnessed by

Name:

Address:

Thomas Jansson Tottgird
Thomas Tottgird
Apelgatan 20A
754 35 Uppsala
Sweden

Date 2017-05-08 Witnessed by

Name:

Address:

Gunnilla Berndtson
Gunnilla Berndtsson
Solstigen 20
181 46 Naden
Sweden

ASSIGNMENT

Title: ASR TRAINING AND ADAPTATION

Date 8-May-2017 Signature of Assignor

Maxim Teslenko
TESLENKO, Maxim

Date 8-05-2017 Witnessed by

Name:

Address:

Mine Erkan
Ivan Ojelundsgården 5,
2tr 112 69 Stockholm
SWEDEN

Date 2017-05-08 Witnessed by

Name:

Address:

Leonid Mokrushin
Muragatan 5
75437
Uppsala

ASSIGNMENT

Title: ASR TRAINING AND ADAPTATION

Date 2017-06-01 Signature of AssignorSigurdur Sverrisson
SVERRISSON, SigurdurDate 2017-06-01 Witnessed by

Name:

Tommy Falk

Address:

Gungbrinken 18
163 47
SwedenDate 2017-06-01 Witnessed by

Name:

Mats Folkesson
Mats Folkesson

Address:

Dalvägen 60
187 33 Täby
Sweden

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Title: ASR TRAINING AND ADAPTATION

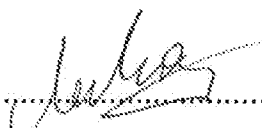
Date 2017-05-08

Signature of Assignor


 VANDIKAS, Konstantinos
Date 2017-05-08

Witnessed by

Name:


 LEONID MOKRUSHIN

Address:

 Murargatan 5
 75437
 Uppsala
Date 2017-05-08

Witnessed by

Name:


 PETER VON WRYZA

Address:


STANDVÄGEN 29

114 56 STOCKHOLM


SWEDEN

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Title: ASR TRAINING AND ADAPTATION

Date 2017-05-10 Signature of Assignor 
 VULGARAKIS FELJAN, Aneta

Date 2017-05-10 Witnessed by Yifei Jin
 Name: Yifei Jin
 Address: Professorslingan 15
Lgh 1103 Stockholm
11417

Date 2017-05-10 Witnessed by 
 Name: Azadeh BARARSANI
 Address: Ernstsmangsatan 18, Lgh 2306
16956 SOLNA
SWEDEN