PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHAN RUNE	11/07/2016
RUI FAN	11/07/2016
ANDRES REIAL	11/28/2016
CLAES TIDESTAV	11/11/2016

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:	15549545

CORRESPONDENCE DATA

Fax Number: (919)948-3357

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.

Phone: 9199483390

Email: official@mbhiplaw.com

Correspondent Name: MURPHY, BILAK & HOMILLER/ERICSSON

Address Line 1: 1255 CRESCENT GREEN

Address Line 2: SUITE 200

Address Line 4: CARY, NORTH CAROLINA 27518

ATTORNEY DOCKET NUMBER:	1009-2275 / P50701 US1
NAME OF SUBMITTER:	PATRICK P. HANSEN
SIGNATURE:	/Patrick P. Hansen/
DATE SIGNED:	08/08/2017

Total Attachments: 7

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PATENT 504494080 REEL: 043232 FRAME: 0124

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source=1009-2275 Assignment#page7.tif

PATENT REEL: 043232 FRAME: 0125

This Assignment is made by:

FAN, Rui No.5 Lize East Street, Chaoyang District

100102 Beijing

China

REIAL, Andres Barometergatan 44

SE-211 17 MALMÖ

Sweden

RUNE, Johan Terrängvägen 12

SE-181 29 LIDINGÖ

Sweden

TIDESTAV, Claes Lillsjövägen 7

SE-746 31 BALSTA

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 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:

UE compensated Timing advance

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/SE2016/051061	2016-10-28
US	15/549,545	~ ~2017-08-08
		~ ~

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 thereinafter. 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 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:

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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.

Date 2-16 2-3 Signature on behalf of Roger Bou Faical

Patent Manager

Patent Unit Kista RAN 1

Title: UE compensated Timing advance

Date2016/11/7	Signature of Assignor	FAN, Rui
Date2016/11/7	Witnessed by	Jan Brown
	Name:	Lju Tinhua
	Address:	No 5, Lize East Street, Chaoyang District, Beijing, China, 100102
		, A 63 A 84 A 64 A
Date2016/11/7	Witnessed by	Islos Isty
	Name:	blen, Info
	Address	No 5, Lize East Street, Chaoyang District, Beijing, China, 100102
		Tankar kari karin i i i i i i i i i i i i i i i i i i

Title: UE compensated Timing advance

Date 2016-11-28	Signature of Assignor	REIAL, Andres
Date 2016 - 11 - 28	Witnessed by	By 174
	Name:	The same of the sa
	Address:	Bengt Lindoff Öresundsvägen 5 SE-237 35 Bjärred Sweden
Date 2016-11-28	Witnessed by	MargneZR
	Name:	AND AND SAME AND
	Address:	MAGNUS ÄSTRÖM GULDÄKERSVÄGEN 12 SE-224 80 LUND SWEDEN

Title: UE compensated Timing advance

Date: 7 November 2016

Signature of Assignor

/RUNE, Johan

Date: 7 November 2016

Witnessed by

Toren latter

Name:

Matteo Fiorani

Address:

Storgatan 72A

141 72 Solna

Sweden

Date: 7 November 2016

Witnessed by

Name:

Patrik Rugeland

Address:

Vingårdsgatan 5

117 58 Stockholm

Sweden

Title: UE compensated Timing advance

Date 2016-11-11	Signature of Assignor	TIDESTAV, Claes
Date 2016-11-11	Witnessed by	Jana Sala
	Name:	Ingve =======
	Address:	Yngue Selén Lästmakargatan 84
		SE-754 34 Uppsala SWEDEN
Date 2016 - 11-11	Witnessed by	Siz Ci
	Name:	SOFIA EX
	Address:	TULEGATAN 71
		172 72 SUNDBYBER6
		Swidin