

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JENS BERGQVIST	12/09/2016
JOHN WALTER DIACHINA	12/09/2016
STEFAN ERIKSSON LÖWENMARK	12/16/2016
ULF HÄNDEL	12/12/2016
OLOF LIBERG	12/12/2016
BIRGITTA SAGEBRAND	12/16/2016
PAUL SCHLIWA-BERTLING	12/12/2016
MÅRTEN SUNDBERG	12/21/2016
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15777109
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NAME OF SUBMITTER:	CATHERINE STIERS
SIGNATURE:	/Catherine Stiers/
DATE SIGNED:	05/17/2018

Total Attachments: 11

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ASSIGNMENT

This Assignment is made by:

BERGQVIST, Jens	Kärnmakaregatan 32 SE-587 37 LINKÖPING Sweden
DIACHINA, John Walter	505 Kristin Drive 27529 GARNER NC United States
ERIKSSON LÖWENMARK, Stefan	Älghornsvägen 35 SE-179 98 FÄRENTUNA Sweden
HÄNDEL, Ulf	Munkebodavägen 16 SE-610 21 NORSHOLM Sweden
LIBERG, Olof	Wollmar Yxkullsgatan 50A SE-118 50 STOCKHOLM Sweden
SAGEBRAND, Birgitta	Hemmansgatan 98 SE-583 36 LINKÖPING Sweden
SCHLIWA-BERTLING, Paul	Hjalmar Svenfelts väg 29B SE-590 71 LJUNGSBRO Sweden
SUNDBERG, Märten	Sköntorpsvägen 63 SE-120 53 ÅRSTA 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

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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:

A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

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/SE2016/051234	December 08, 2016
US	15/777,109	May 17, 2018
		--

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 said inventions or said application(s) for Letters Patent or Utility Model, or any proceeding in

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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:
United States

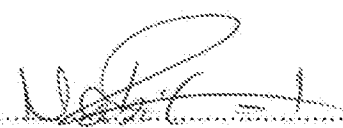
without regard to the conflicts of laws provisions thereof. Any dispute, controversy or claim arising under, out of or relating to this Assignment and any subsequent amendments of this Assignment, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach 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 2017-01-09

Signature on behalf of
Assignee


Nabil Ayoub
Director, Patent Unit Kista RAN2

ASSIGNMENT

Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

Date 2016-12-09

Signature of Assignor

BERGQVIST, Jens

Date 2016-12-09

Witnessed by

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Claes Göran Persson

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Date 2016-12-09

Witnessed by

Name:

Björn Hofström

Address:

SKONBERGAVÄGEN 19

589 41 Linköping

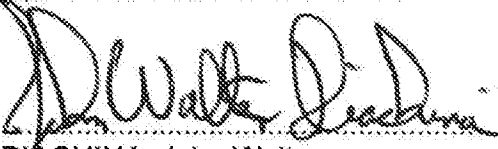
SWEDEN

ASSIGNMENT

Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

Date December 09, 2016

Signature of Assignor


.....
DIACHINA, John Walter

Date December 09, 2016

Witnessed by


.....

Name:

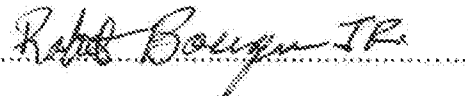
Robert Bourque Sr.

Address:

509 Kristin Drive
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Date December 09, 2016

Witnessed by


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Name:

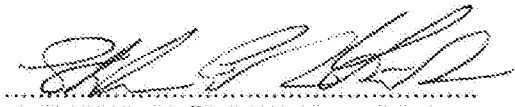
Robert Bourque Jr.

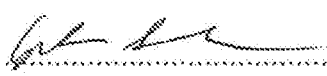
Address:

509 Kristin Drive
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Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

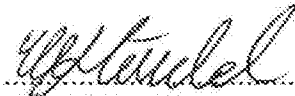
Date..2016-12-16..... Signature of Assignor 
 ERIKSSON LÖWENMARK, Stefan

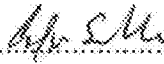
Date..2016-12-16..... Witnessed by 
 Name: Gustav Almquist.....
 Address: Triangelvägen 4.....
 17546 Järfälla
 Sweden.....

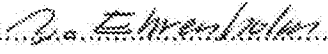
Date..2016-12-16..... Witnessed by 
 Name: Martin Israelsson.....
 Address: Mjölнарstigen 15.....
 163 41 Spånga.....
 Sweden.....

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Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

Date 2016-12-12 Signature of Assignor 
 HANDEL, Ulf

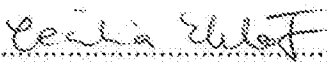
Date 2016-12-12 Witnessed by 
 Name: SOFIA SVEDEL
 Address: EDA SJÖHAGEN 1
590 45 BROKIND
SWEDEN

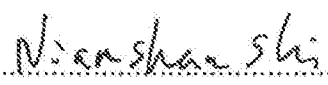
Date 2016-12-12 Witnessed by 
 Name: Bo Ehrenholm
 Address: Glasparlevägen 7
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Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

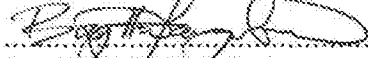
Date 2016.12.12 Signature of Assignor 
LIBERG, Olof

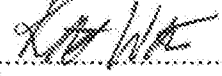
Date 2016.12.12 Witnessed by 
Name: Cecilia Eklöf
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Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

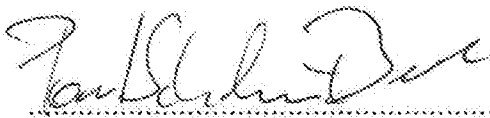
Date: 2016-12-16 Signature of Assignor 
SAGEBRAND, Birgitta

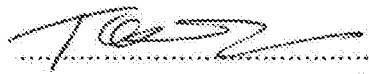
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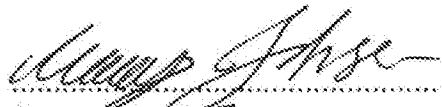
Date: 2016-12-16 Witnessed by 
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Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN


Date 2016-12-12 Signature of Assignor 
 SCHLIWA-BERTLING, Paul

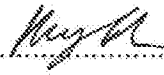
Date 2016-12-12 Witnessed by 
 Name: Tobias Ahlström
 Address: Sobelstigen 29
59072 Lyngebro
Sweden

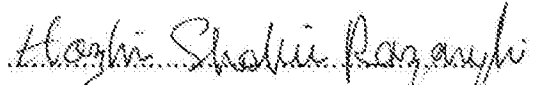
Date 2016-12-12 Witnessed by 
 Name: Magnus Johansson
 Address: Hornståve Holken
59076 Vreta kloster
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ASSIGNMENT

Title: A RADIO NETWORK NODE AND A WIRELESS DEVICE, AND METHODS THEREIN

Date 2016-12-21 Signature of Assignor 
 SUNDBERG, Mårten

Date 2016-12-21 Witnessed by 
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