

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6148920

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ERICSSON WIFI INC.	12/13/2017
RECEIVING PARTY DATA		
Name:	TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)	
Street Address:	SE-164 83	
City:	STOCKHOLM	
State/Country:	SWEDEN	
Postal Code:	SE-164 83	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	7154356
CORRESPONDENCE DATA		
Fax Number:	(514)345-7929	
<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>		
Phone:	6136171368	
Email:	denise.lamirande@ericsson.com	
Correspondent Name:	DENISE LAMIRANDE	
Address Line 1:	349 TERRY FOX DRIVE	
Address Line 4:	KANATA, CANADA K2K 2V6	
ATTORNEY DOCKET NUMBER:	P37272 US2	
NAME OF SUBMITTER:	DENISE LAMIRANDE	
SIGNATURE:	/Denise Lamirande/	
DATE SIGNED:	06/11/2020	
Total Attachments: 10		
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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT ("Agreement") dated as of December 13, 2017 (the "Effective Date") by and between:

- (i) **ERICSSON WIFI INC.**, a corporation organized and existing under the laws of the state of Delaware, with its corporate headquarters presently located at 6300 Legacy Drive, Plano, Texas 75024 ("Assignor"); and
- (ii) **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").

WITNESSETH:

WHEREAS, Assignee is an affiliate of Assignor and Assignor now wishes to transfer its rights in the Assigned Patents (as defined below) to Assignee as further set forth below.

NOW, THEREFORE, in consideration of the foregoing and the mutual promises and agreements contained in this Agreement, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

1. Assignment. Assignor hereby transfers, assigns and conveys to Assignee its right, title, and interest throughout the world (under any and all laws and in any and all jurisdictions) in and to all of the patents, patent applications and provisional patent applications set forth on Schedule A attached hereto (collectively, the "Assigned Patents"), in each case, subject to all existing encumbrances. Pursuant to the foregoing assignment, each of the Assigned Patents shall hereafter be for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors and assigns, as fully and entirely as the same would have been held and enjoyed by the applicable Assignor if this Agreement had not been made. The foregoing assignment includes, without limitation, the rights of Assignor, if any, to (A) register or apply in all countries and regions for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for the Assigned Patents; (B) prosecute, maintain and defend the Assigned Patents before any public or private agency, office or registrar including by filing reissues, reexaminations, divisions, continuations, continuations-in-part, substitutes, extensions and all other applications and post issue proceedings included in the Assigned Patents; (C) claim priority based on the filing dates of any of the Assigned Patents under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purposes; and (D) sue and recover damages or other compensation for past, present or future infringements thereof, the right to sue and obtain equitable relief, including injunctive relief, in respect of such infringements, and the

right to fully and entirely stand in the place of the applicable Assignor in all matters related to the Assigned Patents.

2. Authorization. Assignor also hereby expressly authorizes the respective patent office or governmental agency in each and every jurisdiction worldwide (including the Commissioner of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities) (the "Applicable IP Offices") to: (A) issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the Assignor's interest therein; and (B) record Assignee as the assignee of the Assigned Patents and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Agreement.

3. Further Assurances. Each party hereby agrees to execute and deliver to the other party all necessary documents and take all necessary actions reasonably requested by such party from time to time to confirm or effect the assignments set forth in this Agreement, or otherwise to carry out the purposes of this Agreement, including, without limitation, by providing executed originals of short-form assignment agreements entered into by Assignor and Assignee on the Effective Date for filing or otherwise evidencing the assignments set forth in this Agreement with the Applicable IP Offices; provided, however, that nothing contained herein shall obligate Assignor to incur any cost or pay any expense in connection therewith.

4. Governing Law. This Agreement shall be governed by the laws of Delaware.

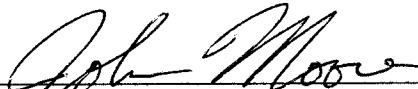
5. General Provisions. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or electronic mail shall be as effective as delivery of a manually executed counterpart of this Agreement. This Agreement may not be supplemented, altered, or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this Agreement shall not waive any of its rights under such terms or provisions.

[Remainder of this page intentionally left blank.]

IN WITNESS WHEREOF, Assignor and Assignee have caused this instrument to be executed by their respective duly authorized representative as of the Effective Date.

Assignor:

ERICSSON WIFI INC.

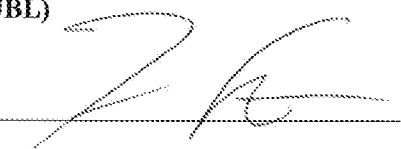
By 

Name: John Moore

Title: Secretary

Assignee:

**TELEFONAKTIEBOLAGET LM ERICSSON
(PUBL)**

By 

Name: Jonas Stenborg

Title: Head of financial control & Bus Services

By 

Name: Lars Molander

Title: Head of Group Taxes

SCHEDULE "A"
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Our Ref.	Country	Application No	Patent No	Title	Application Date	Patent Date	Assignee
P37319 CA1	Canada	2821198	2821198	WIRELESS OPERATION IN VERY HIGH DENSITY ENVIRONMENTS	40542	03/31/2020	Ericsson WiFi Inc.
P37293 CN1	China	200980125769.3	ZL200980125769.3	HIGH PERFORMANCE MOBILITY NETWORK WITH AUTOCONFIGURATION	7/1/2009	1/22/2014	Ericsson WiFi Inc.
P37299 CN1	China	200880122318.X	200880122318.X	METHOD FOR ESTIMATING AND MONITORING TIMING ERRORS IN PACKET DATA NETWORKS	2/27/2008	8/21/2013	Ericsson WiFi Inc.
P37308 CN1	China	ZL200780012617.3	ZL200780012617.3	SYSTEM AND METHOD FOR ZERO INTERMEDIATE FREQUENCY FILTERING OF INFORMATION COMMUNICATED IN WIRELESS	4/10/2007	12/26/2012	Ericsson WiFi Inc.
P37308 CN3	China	ZL201080015447.6	ZL201080015447.6	SYSTEM AND METHOD FOR FREQUENCY OFFSETTING OF INFORMATION COMMUNICATED IN MIMO-BASED WIRELESS NETWORKS	2/18/2010	12/9/2015	Ericsson WiFi Inc.
P37316 CN1	China	ZL201080027990.8	ZL201080027990.8	VAULT ANTENNA FOR WLAN OR CELLULAR APPLICATION	8/27/2010	5/13/2015	Ericsson WiFi Inc.
P37319 CN1	China	201080071013.8	ZL201080071013.8	WIRELESS OPERATION IN VERY HIGH DENSITY ENVIRONMENTS	12/30/2010		Ericsson WiFi Inc.

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P37321 EP1	European Patent	11852553.4	2659595	CABLE MODEM WITH DUAL AUTOMATIC ATTENUATION	12/21/2011	6/3/2015	Ericsson WiFi Inc.
P37299 FR1	France	8714683.3	2235865.0	METHOD FOR ESTIMATING AND MONITORING TIMING ERRORS IN PACKET DATA NETWORKS	2/27/2008	8/21/2013	Ericsson WiFi Inc.
P37321 FR1	France	11852553.4	2659595	CABLE MODEM WITH DUAL AUTOMATIC ATTENUATION	12/21/2011	6/3/2015	Ericsson WiFi Inc.
P37299 DE1	Germany	8714683.3	602008026951.5	METHOD FOR ESTIMATING AND MONITORING TIMING ERRORS IN PACKET DATA NETWORKS	2/27/2008	8/21/2013	Ericsson WiFi Inc.
P37321 DE1	Germany	11852553.4	602011016996.3	CABLE MODEM WITH DUAL AUTOMATIC ATTENUATION	12/21/2011	6/3/2015	Ericsson WiFi Inc.
P37319 HK1	Hong Kong	13114157.5	1186893A	WIRELESS OPERATION IN VERY HIGH DENSITY ENVIRONMENTS	12/20/2013	09-27-2019	Ericsson WiFi Inc.
P37319 HK2	Hong Kong	18115286.1		WIRELESS OPERATION IN VERY HIGH DENSITY ENVIRONMENTS	11-29-2018		Ericsson WiFi Inc.
P37321 NL1	Netherlands	11852553.4	2659595	CABLE MODEM WITH DUAL AUTOMATIC ATTENUATION	12/21/2011	6/3/2015	Ericsson WiFi Inc.

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P37299 GB1	United Kingdom	8714683.3	2235865	METHOD FOR ESTIMATING AND MONITORING TIMING ERRORS IN PACKET DATA NETWORKS	2/27/2008	8/21/2013	Ericsson WiFi Inc.
P37321 GB1	United Kingdom	11852553.4	2659595	CABLE MODEM WITH DUAL AUTOMATIC ATTENUATION	12/21/2011	6/3/2015	Ericsson WiFi Inc.
P37272 US1	United States	10/790336	7030712	A NOVEL RADIO FREQUENCY (RF) CIRCUIT BOARD TOPOLOGY	03-01-2004	04-18-2006	Ericsson WiFi Inc.
P37272 US2	United States	11/351041	7154356	A NOVEL RADIO FREQUENCY (RF) CIRCUIT BOARD TOPOLOGY	11/351041	12-26-2006	Ericsson WiFi Inc.
P37293 US2	United States	12/496398	8290440	HIGH PERFORMANCE MOBILITY NETWORK WITH AUTOCONFIGURATION	7/1/2009	10/16/2012	Ericsson WiFi Inc.
P37293 US3	United States	13/650365	9253755	HIGH PERFORMANCE MOBILITY NETWORK WITH AUTOCONFIGURATION	13/650365	2/2/2016	Ericsson WiFi Inc.
P37299 US1	United States	11/963524	7821958	METHOD FOR ESTIMATING AND MONITORING TIMING ERRORS IN PACKET DATA NETWORKS	12-21-2007	10-26-2010	Ericsson WiFi Inc.
P37300 US2	United States	12/464360	8189551	MOBILE STATION TRAFFIC ROUTING	05-12-2009	05-29-2012	Ericsson WiFi Inc.

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P37300 US3	United States	13/459906	8811346	MOBILE STATION TRAFFIC ROUTING	04-30-2012	08-19-2014	Ericsson WiFi Inc.
P37308 US1	United States	11/399536	7881690	SYSTEM AND METHOD FOR ZERO INTERMEDIATE FREQUENCY FILTERING OF INFORMATION COMMUNICATED IN WIRELESS	04-07-2006	7881690	Ericsson WiFi Inc.
P37308 US4	United States	12/390062	8254865	SYSTEM AND METHOD FOR ZERO INTERMEDIATE FREQUENCY FILTERING OF INFORMATION COMMUNICATED IN WIRELESS	02-20-2009	08-28-2012	Ericsson WiFi Inc.
P37308 US5	United States	13/017378	8280337	SYSTEM AND METHOD FOR ZERO INTERMEDIATE FREQUENCY FILTERING OF INFORMATION COMMUNICATED IN WIRELESS	01-31-2011	10-02-2012	Ericsson WiFi Inc.
P37308 US6	United States	13/595153	8433254	SYSTEM AND METHOD FOR ZERO INTERMEDIATE FREQUENCY FILTERING OF INFORMATION COMMUNICATED IN WIRELESS	08-27-2012	04-30-2013	Ericsson WiFi Inc.
P37308 US7	United States	13/595177	8447232	SYSTEM AND METHOD FOR ZERO INTERMEDIATE FREQUENCY FILTERING OF INFORMATION COMMUNICATED IN WIRELESS	08-27-2012	05-21-2013	Ericsson WiFi Inc.
P37308 US8	United States	13/595197	8583066	SYSTEM AND METHOD FOR ZERO INTERMEDIATE FREQUENCY FILTERING OF INFORMATION COMMUNICATED IN WIRELESS	08-27-2012	11-12-2013	Ericsson WiFi Inc.
P37316 US2	United States	12/870259	8686909	VAULT ANTENNA FOR WLAN OR CELLULAR APPLICATION	08-27-2010	04-01-2014	Ericsson WiFi Inc.

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P37318 US1	United States	11/326391	7944853	VIRTUAL ROOT BRIDGE	01-06-2006	05-17-2011	Ericsson WiFi Inc.
P37319 US1	United States	12/982081	10368318	WIRELESS OPERATION IN VERY HIGH DENSITY ENVIRONMENTS	12-30-2010	07-30-2019	Ericsson WiFi Inc.
P37321 US1	United States	9282281	9282281	CABLE MODEM WITH DUAL AUTOMATIC ATTENUATION	12-27-2010	03-08-2016	Ericsson WiFi Inc.
P43809 US1	United States	29/185484	D501195	OUTDOOR WIRELESS PRODUCT ENCLOSURE FOR ELEVATED MOUNTING	06-30-2003	01-25-2005	Ericsson WiFi Inc.

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