

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6679238

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	05/27/2020
RECEIVING PARTY DATA		
Name:	VIVO MOBILE COMMUNICATION CO., LTD.	
Street Address:	#283, BBK ROAD, WUSHA	
City:	CHANG'AN DONGGUAN, GUANGDONG	
State/Country:	CHINA	
Postal Code:	523860	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	9641447
CORRESPONDENCE DATA		
Fax Number:	(312)977-9959	
<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:	3129779902	
Email:	cramirez@vonbriesen.com	
Correspondent Name:	VON BRIESEN & ROPER, S.C.	
Address Line 1:	ONE NORTH FRANKLIN STREET	
Address Line 2:	SUITE 2350	
Address Line 4:	CHICAGO, ILLINOIS 60606	
ATTORNEY DOCKET NUMBER:	60193/PIUS2020828CN(ZA)	
NAME OF SUBMITTER:	THOMAS A. MILLER	
SIGNATURE:	/Thomas A. Miller/	
DATE SIGNED:	04/27/2021	
Total Attachments: 8		
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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT (this "**Agreement**") is entered into as of May 27, 2020 (the "**Effective Date**") by and between:

TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), reg. no. 556016-0680, a limited liability company incorporated under the laws of Sweden, and having its registered office at SE-164 83 Stockholm, Sweden (the "**Assignor**"); and

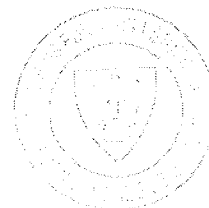
VIVO MOBILE COMMUNICATION CO., LTD., a company duly established under the laws of People's Republic of China, with registration number [number], having its registered office at , #283, BBK Road, Wusha, Chang'An, Donguan City, Guangdong Province, People's Republic of China ("**Assignee**").

WITNESSETH:

WHEREAS, Assignor has agreed to transfer its rights, title and interest in and to the Assigned Patents (as defined below) to Assignee.

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 sells, transfers, assigns and conveys to Assignee all of 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, re-examinations, 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



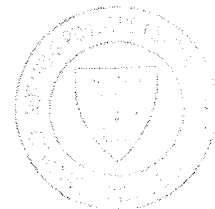
International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purposes; and (D) sue and recover damages or other compensation for past, present or future infringements thereof, the 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 Singapore.

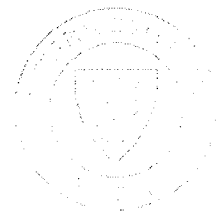
5. General Provisions. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or electronic 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. This Agreement shall not be construed as amending or superseding any written agreement entered into by the parties prior to or contemporaneous with this Agreement relating to the subject matter hereof. 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.



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

TELEFONAKTIEBOLAGET L M
ERICSSON (PUBL)

VIVO MOBILE COMMUNICATIONS
CO., LTD

By: [Signature]
Signature

By: Xianwen Xu
Signature

Jonas Stringberg

Xianwen Xu
Printed Signatory's Name

Head of Financial Control & Bus Services

Head of VP
Title

By: [Signature]

By: _____
Signature

Lars Molander

Printed Signatory's Name

Head of Group Taxes

Title

I, the undersigned, Adrienne Bonde de Jounge, Notary Public
of the City of Stockholm, Sweden, hereby certify that
JONAS STRINGBERG and LARS MOLANDER,
duly authorized to sign for
TELEFONAKTIEBOLAGET LM ERICSSON (publ),
have issued and signed the foregoing document.
Stockholm 2020-06-22
Ex officio:

Adrienne Bonde de Jounge

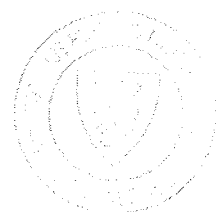


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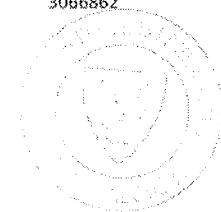
Schedule A to Patent Assignment Agreement
Assigned Patents

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P22169 CN1	China	PCT/SE2007/050294	2007-04-30	101455045	2009-06-10	ZL200780015704.4
P22525 CN1	China	200780025749.X	2007-07-04	101485118	2009-07-15	ZL200780025749.X
P25495 CN1	China	200880008524-8	2008-01-14			ZL200880008524-8
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P30232 CN1	China	200980162782-6	2009-12-10	CN 102668454 A	2012-09-12	ZL200980162782-6
P32917 CN1	China	201180064841.3	2011-01-12	CN103299675 A	2013-09-18	ZL 201180064841.3
P35007 CN1	China	201280063459.5	2012-10-22	103999541	2014-08-20	ZL201280063459.5
P35199 CN1	China	201280059015.4	2012-11-19	104067584	2014-09-24	ZL201280059015.4
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P33447 CN1	China	201280022348.X	2012-03-06	103502938	2014-01-08	ZL201280022348.X
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P45531 US1	The United States	14/726850	2015-06-01	US-2016-0352614	2016-12-01	9853880
P64118 US1	The United States	12/678163	2008-02-07	US-2010-0265970	2010-10-21	8315262
P24911 US2	The United States	12/746435	2008-11-12	US-2010-0284418	2010-11-11	9148300
P33447 US1	The United States	13/044784	2011-03-10			8413148
P40644 US2	The United States	14/273207	2014-05-08	US-2014-0351639	2014-11-27	9372756
P42949 US1	The United States	14/385598	2014-05-28			9515911
P21439 GB1	United Kingdom	06806520.0	2006-10-25			1941687
P21461 GB1	United Kingdom	05823894.0	2005-12-22			1964279
P22169 GB1	United Kingdom	07748455.8	2007-04-30			2020132
P22525 GB1	United Kingdom	07769041.0	2007-07-04			2039202
P25467 GB1	United Kingdom	08013840.7	2008-08-01			2150001
P26526 GB1	United Kingdom	09781708.4	2009-08-11			2329627
P27696 GB1	United Kingdom	09788484.5	2009-02-10			2396989
P30232 GB1	United Kingdom	09793509.2	2009-12-10			2510650
P35007 GB1	United Kingdom	12790954.7	2012-10-22			2769596
P35199 GB1	United Kingdom	12813111.7	2012-11-19			2786541
P37465 GB1	United Kingdom	12784089.0	2012-10-17			2910060
P38563 GB1	United Kingdom	13795013.5	2013-11-07			3066862



P41160 GB1	United Kingdom	14710660.3	2014-02-19			3108594
P41553 GB1	United Kingdom	14747735.0	2014-07-14			3170265
P47612 GB1	United Kingdom	15778246.7	2015-10-01			3357273
P22116 GB1	United Kingdom	07716149.5	2007-03-28			2000001
P26871 GB1	United Kingdom	08876323.0	2008-12-19			2368243
P25161 GB1	United Kingdom	1011137.5	2008-01-31	2469235	2010-10-06	2469235
P24935 GB1	United Kingdom	08875814.9	2008-11-15			2314029
P24935 GB2	United Kingdom	12003727.0	2008-11-15			2493132
P23873 GB1	United Kingdom	07846822.0	2007-11-26			2274897

