PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BO ASTRÖM	11/19/2007
MATS STILLE	11/28/2007
ANDERS RYDE	11/21/2007
STEPHEN TERRILL	12/11/2007
BROR LENNART NORELL	11/19/2007

RECEIVING PARTY DATA

Name:	TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
Street Address:	S-164 83
City:	STOCKHOLM
State/Country:	SWEDEN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14658765

CORRESPONDENCE DATA

Fax Number: (972)367-2002

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.

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Email: cbridwell@cclaw.com

Correspondent Name: CARSTENS & CAHOON LLP

Address Line 1: PO BOX 802334

Address Line 4: DALLAS, TEXAS 75380

ATTORNEY DOCKET NUMBER:	HE381-US4 (20920)
NAME OF SUBMITTER:	STEPHEN Y. LIU
SIGNATURE:	/Stephen Y. Liu/
DATE SIGNED:	03/18/2015
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 6

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PATENT REEL: 035190 FRAME: 0235

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PATENT REEL: 035190 FRAME: 0236

Assignment Letter

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In consideration of One Dollar and Other good and valuable consideration, of which we acknowledge receipt, we,

- Bo Aström, a citizen of Sweden residing at Fredsborgsgatan 2 SE-117 59 Stockholm, Sweden,
- Mats Stille, a citizen of Sweden residing at Ålstensgatan 33 SE-167 65 BROMMA, Sweden,
- Anders Ryde, a citizen of Denmark residing at Kyrkvägen 21 SE-133 34 Saltsjöbaden, Sweden.
- Stephen Terrill, a citizen of Australia residing at Claudio Coello 95, 2ºIzq, 28006 Madrid, SPAIN, and
- Bror Lennart Norell, a citizen of Sweden residing at Pukslagargatan 5
 A, 125 30 ÄLVSJÖ, Sweden

sell and assign to Telefonaktiebolaget LM Ericsson (publ), a corporation organized under the laws of Sweden (the Company), having registered offices at SE-164 83 Stockholm, Sweden, its successors and assigns the entire right, title, and interest in and to the improvements in Method and Apparatus for Identifying as IMS Service, invented by us, as described in the application for United States patent which is a national stage application of PCT international application number PCT/EP2005/052402 with an international filing date of 05-25-2005, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, and nominees to obtain and enforce proper patent protection for said improvements in all countries.

> PATENT REEL: 035190 FRAME: 0237

Assignment Letter

<u>2∞7-11−19</u> Date	and the second s	Bo Aström First Inventor			
Åström, to us known	and known to us to be	, before us personally app the individual named in wledged that he/she exe	and who		
fin 6 h	Pen Oberg	Manhemszágzni Address	7 13146		
Witness 1 Signature	Print Name	Address	Packa		
MATIL	Jan Holm	Uppsalav. 84 Address	74840 5000 hu c		
Witness 2 Signature	Print Name	Address			

Attorney Docket Numb	er P20920-US1
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<u>Zoory - 11 - 21</u> Date

Anders Ryde Third Inventor

On the $\frac{2}{}$ day of $\frac{\sqrt{overber}}{}$, 2007, before us personally appeared Anders Ryde, to us known and known to us to be the individual named in and who executed the foregoing instrument, and acknowledged that he/she executed the same.

Magnus Hallaustal

Witness, 1 Signature

Print Name

<u>(Tábyy-230 , 1875)</u> Táby þvælu. Address

Witness 2 Signature

Tour BALDWIN
Print Name

7 skiβverni ki), covenπεγ −vK - Address

PATENT

REEL: 035190 FRAME: 0240

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Assignment Letter

11-12-2017		alden 17en	is	
Date	St	epĥen Terrill		
	Fo	urth Inventor		
On the/t day of Stephen Terrill, to us kn who executed the foregoin	nown and known to us	to be the individual	named in and	•
same,	ALFREDO GONZALEZ	ALP DE COS	POBLADOS , 13	madrid
Witness 1 Signature /	Print Name	Address		.
andmil	Jan Lemarh	d Doelo	r Esqui	y de 1859)
Witness 2 Signature	Print Name	Address	7	The state of the s

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Assignment Letter

Bfor Lemart Norell

Fifth Inventor

and who executed the foregoing instrument, and acknowledged that he/she executed the same.

Vitoess 1 Signature

Print Name Address 1346 Amelia

Göray Eneroth Scheffers of 13

Print Name Address 13563 Tyresö

Witness 2 Signature

PATENT REEL: 035190 FRAME: 0242

RECORDED: 03/18/2015