502702932 03/03/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2749538

SUBMISSION TYPE:			NEW ASSIGNMENT			
IATURE OF CONVEYANCE: ASSIGNMENT						
CONVEYING PART	CONVEYING PARTY DATA					
Name Execution Date						
TELIASONERA AB			12/19/2013			
RECEIVING PARTY	DATA					
Name:	III HOLDING	S 1, LL	.C		Ī	
Street Address:	2711 CENTE					
Internal Address:	SUITE 400					
City:	WILMINGTO	N				
State/Country:	DELAWARE	ı				
Postal Code:	19808					
Property	Туре		Number			
Patent Number: 813500						
CORRESPONDENC	EDATA					
Fax Number:		3)258-4				
Phone:		258429				
Email:			g@foley.com, jschuchart@foley.com			
Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: PAUL S. HUNTER						
Address Line 1: FOLEY & LARDNER LLP						
Address Line 2: 150 E GILMAN STREET						
Address Line 4: MADISON, WISCONSIN 53703						
ATTORNEY DOCKET NUMBER:			104985-0193			
NAME OF SUBMITTER:			PAUL S. HUNTER			
Signature:			/Paul S. Hunter/			
Date: 03/03/2014						

502702932 REEL: 032333 FRAME: 0841

PATENT

Total Attachments: 13 source=0193_Assignment_030314#page1.tif source=0193_Assignment_030314#page2.tif source=0193_Assignment_030314#page3.tif source=0193_Assignment_030314#page4.tif source=0193_Assignment_030314#page5.tif source=0193_Assignment_030314#page6.tif source=0193_Assignment_030314#page7.tif source=0193_Assignment_030314#page8.tif source=0193_Assignment_030314#page9.tif source=0193_Assignment_030314#page10.tif source=0193_Assignment_030314#page11.tif source=0193_Assignment_030314#page12.tif source=0193_Assignment_030314#page13.tif

PATENT REEL: 032333 FRAME: 0842

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, TeliaSonera AB, a Swedish corporation having offices at Sturegatan 1, SE-106 63 Stockholm, Sweden ("Assignor"), does hereby sell, assign, transfer, and convey unto III Holdings 1, LLC, a Delaware limited liability company, with an address at 2711 Centerville Rd, Suite 400, Wilmington, DE 19808 ("Assignee"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Patent Rights"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "*Patents*");

table below (the Tuterus),			
		T. T	Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
FI110299	FI	03/31/2000	Changing a first Subscriber
			Identifier to a Second
			Identifier
			Sami Ala-Luukko
ES2278732	ES	03/29/2001	Changing a First Subscriber
			Identifier to a Second
			Identifier
			Sami Ala-Luukko
DE60126770.2	DE	03/29/2001	Changing a First Subscriber
			Identifier to a Second
			Identifier
			Sami Ala-Luukko
DK1292869	DK	03/29/2001	Changing a First Subscriber
			Identifier to a Second
·			Identifier
			Sami Ala-Luukko
EP1292869	EP	03/29/2001	CHANGING A FIRST
			SUBSCRIBER IDENTIFIER
			TO A SECOND IDENTIFIER
			Sami Ala-Luukko
FR1292869	FR	03/29/2001	Changing a First Subscriber
			Identifier to a Second
			Identifier
			Sami Ala-Luukko
L	<u>l</u>	<u> </u>	

PATENT REEL: 032333 FRAME: 0843

		Title of Patent and First
Country	Filing Date	Named Inventor
GB	03/29/2001	Changing a First Subscriber Identifier to a Second
		Identifier to a Second
IT	02/20/2001	Sami Ala-Luukko
111	03/29/2001	Changing a First Subscriber Identifier to a Second
		Identifier to a second
		racitino
		Sami Ala-Luukko
SE	03/29/2001	Changing a First Subscriber
		Identifier to a Second
		Identifier
		Sami Ala-Luukko
TR	03/29/2001	Changing a First Subscriber
		Identifier to a Second
		Identifier
		Sami Ala-Luukko
FI	09/21/1999	Transmission of a Short
		Message in a
		Telecommunication System
		Sami Ala-Luukko
DE	09/21/2000	Transmission of a Short
		Message in a
į		Telecommunication System
		Sami Ala-Luukko
DK	09/21/2000	Transmission of a Short
		Message in a
		Telecommunication System
		Sami Ala-Luukko
ES	09/21/2000	Transmission of a Short
		Message in a
		Telecommunication System
		Sami Ala-Luukko
	GB IT SE TR FI DE	GB 03/29/2001 IT 03/29/2001 SE 03/29/2001 TR 03/29/2001 FI 09/21/1999 DE 09/21/2000 DK 09/21/2000

			Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
FR1219125	FR	09/21/2000	Transmission of a Short
			Message in a
			Telecommunication System
			Sami Ala-Luukko
GB1219125	GB	09/21/2000	Transmission of a Short
			Message in a
			Telecommunication System
			Sami Ala-Luukko
IT1219125	IT	09/21/2000	Transmission of a Short
			Message in a
			Telecommunication System
			Sami Ala-Luukko
SE1219125	SE	09/21/2000	Transmission of a Short
			Message in a
			Telecommunication System
			Sami Ala-Luukko
FI111681	FI	04/10/2000	Method for Blocking the Use
			of a Service in a
			Telecommunication Ssystem
			Sami Ala-Luukko
TR1273186	TR	04/10/2001	Method for Blocking the Use
			of a Service in a
			Telecommunication System
			Sami Ala-Luukko
SE1273186	SE	04/10/2001	Method for Blocking the Use
			of a Service in a
			Telecommunication System
			Sami Ala-Luukko
DK1273186	DK	04/10/2001	Method for Blocking the Use
			of a Service in a
			Telecommunication System
			Sami Ala-Luukko

94/10/2001 04/10/2001	Named Inventor Method for Blocking the Use of a Service in a Telecommunication System Sami Ala-Luukko
	of a Service in a Telecommunication System
04/10/2001	Telecommunication System
04/10/2001	
04/10/2001	Sami Ala-Luukko
04/10/2001	
	Method for Blocking the Use
	of a Service in a
	Telecommunication System
	Sami Ala-Luukko
04/10/2001	Method for Blocking the Use
	of a Service in a
	Telecommunication System
	Sami Ala-Luukko
04/10/2001	Method for Blocking the Use
	of a Service in a
	Telecommunication System
	Sami Ala-Luukko
11/23/2001	Formation of a User ID
	Kai Vaananen
11/20/2002	Formation of a User ID
11/20/2002	Tomation of a ober 12
	Kai Vaananen
11/20/2002	Formation of a User ID
	Kai Vaananen
11/20/2002	Formation of a User ID
	Kai Vaananen
11/20/2002	Formation of a User ID
11/20/2002	1033343031 01 0 0001 12
	Kai Vaananen
11/20/2002	Formation of a User ID
	Kai Vaananen
11/00/000	Formation of a User ID
11/20/2002	
	11/20/2002 11/20/2002 11/20/2002 11/20/2002

D 4 4 1 1 1 N	G 4	Eur D	Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
IT1461977	IT	11/20/2002	Formation of a User ID
			Kai Vaananen
SE1461977	SE	11/20/2002	Formation of a User ID
			Kai Vaananen
TR1461977	TR	11/20/2002	Formation of a User ID
			Kai Vaananen
FI113095	FI	07/24/2002	Generation of User-Specific
			Setting Data
			Jori Hamalainen
ES2242935	ES	07/23/2003	Generation of User-Specific
			Setting Data
			Toui Homesteinen
DK1385301	DK	07/23/2003	Jori Hamalainen Generation of User-Specific
DIX1303301	DK	0112312003	Setting Data
			Jori Hamalainen
DE60300964.6	DE	07/23/2003	Generation of User-Specific
			Setting Data
		i 	Jori Hamalainen
EE1385301	EE	07/23/2003	Generation of User-Specific
			Setting Data
			Jori Hamalainen
FR1385301	FR	07/23/2003	Generation of User-Specific
			Setting Data
			Jori Hamalainen
GB1385301	GB	07/23/2003	Generation of User-Specific
			Setting Data
			Jori Hamalainen
SE1385301	SE	07/23/2003	Generation of User-Specific
			Setting Data
			Jori Hamalainen
		1	JUH Hamalallich

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> Named Inventor
IT1385301	IT	07/23/2003	Generation of User-Specific Setting Data
			Jori Hamalainen
FI108501	FI	11/05/1999	Transmission of Multimeida Messages Between Mobile Station Terminals
			Sami Ala-Luukko
FR1226695	FR	11/06/2000	Transmission of Multimedia Messages between Mobile Station Terminals
			Sami Ala-Luukko
GB1226695	GB	11/06/2000	Transmission of Multimedia Messages between Mobile Station Terminals
			Sami Ala-Luukko
DE60025520.4	DE	11/06/2000	Transmission of Multimedia Messages between Mobile Station Terminals
DK1226695	DK	11/06/2000	Sami Ala-Luukko Transmission of Multimedia
DK1220093	DK	11/06/2000	Messages between Mobile Station Terminals
			Sami Ala-Luukko
ES2256060	ES	11/06/2000	Transmission of Multimedia Messages between Mobile Station Terminals
			Sami Ala-Luukko
IT1226695	IT	11/06/2000	Transmission of Multimedia Messages between Mobile Station Terminals
			Sami Ala-Luukko

- 6 -

PATENT REEL: 032333 FRAME: 0848

Patent or Application No.	Country	Filing Date	<u>Title of Patent and First</u> <u>Named Inventor</u>
SE1226695	SE	11/06/2000	Transmission of Multimedia Messages between Mobile Station Terminals
			Sami Ala-Luukko
FI122751	FI	02/15/2008	Distribution of IP Prefixes
DE(02000002747.0	DE	06/25/2008	Antti Makela
DE602008003747.9	DE	06/25/2008	Delivery of IP Prefixes
			Antti Makela
DK2091206	DK	06/25/2008	Delivery of IP Prefixes
			Antti Makela
FR2091206	FR	06/25/2008	Delivery of IP Prefixes
			Antti Makela
GB2091206	GB	06/25/2008	Delivery of IP Prefixes
			Antti Makela
IT2091206	IT	06/25/2008	Delivery of IP Prefixes
			Antti Makela
EE2091206	EE	06/25/2008	Delivery of IP Prefixes
			Antti Makela
ES2355426	ES	06/25/2008	Delivery of IP Prefixes
			A (#27.1 1
LT2091206	LT	06/25/2008	Antti Makela Delivery of IP Prefixes
1312031200		00,23,2000	
			Antti Makela
LV2091206	LV	06/25/2008	Delivery of IP Prefixes
			Antti Makela
SE2091206	SE	06/25/2008	Delivery of IP Prefixes
			Antti Makela
NO2091206	NO	06/25/2008	Delivery of IP Prefixes
	!		Antti Makela

			Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
TR2091206	TR	06/25/2008	Delivery of IP Prefixes
			Antti Makela
8135008	US	02/10/2009	Network Node and Method for
			Transmitting IP Prefix
			Information in Messaging
			Signals
		li .	Antti Makela
SE509480	SE	12/23/1997	Procedure and System for
			Position Management in a
			Mobile Telephone System
			Souhad Ayoub
FI1042938	FI	12/17/1998	Procedure and System for
111012550	* *	12/1//1990	Position Management in a
			Mobile Telephone System
			integration of storm
			Souhad Ayoub
FR1042938	FR	12/17/1998	Procedure and System for
			Position Management in a
			Mobile Telephone System
			Souhad Ayoub
GB1042938	GB	12/17/1998	Procedure and System for
			Position Management in a
			Mobile Telephone System
			Souhad Ayoub
DE69832415.3	DE	12/17/1998	Procedure and System for
			Position Management in a
			Mobile Telephone System
			Souhad Ayoub
DK1042938	DK	12/17/1998	Procedure and System for
DIII 0 12730		12/1//1990	Position Management in a
			Mobile Telephone System
			and a second a second
			Souhad Ayoub

			Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
EE03993	EE	12/17/1998	Procedure and System for
			Position Management in a
			Mobile Telephone System
			Souhad Ayoub
NO324075	NO	06/14/2000	Procedure and System for
			Position Management in a
			Mobile Telephone System
			Souhad Ayoub
SE511771	SE	02/19/1998	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson
DE69938590.3	DE	02/16/1999	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson
DK1058994	DK	02/16/1999	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson
FI1058994	FI	02/16/1999	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson
FR1058994	FR	02/16/1999	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson
GB1058994	GB	02/16/1999	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson

			Title of Patent and First
Patent or Application No.	Country	Filing Date	Named Inventor
IT1058994	IT	02/16/1999	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson
EE03895	EE	02/16/1999	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson
NO322823	NO	07/20/2000	Procedure to Transmit
			Information at Telephone
			Answering Service
			Bo Olsson

- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority, , the Patents;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);
- (d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e), (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (e), and/or (iii) could have been included as a claim in any of the Patents and/or any item in the foregoing categories (b) through (e);

- (g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for
 - (1) damages,
 - (2) injunctive relief, and
 - (3) any other remedies of any kind

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Assignor represents, warrants and covenants that:

- (1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and
- (2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at STOCK HOLM, SWEDEN on December 19, 2013.

ASSIGNOR:

TeliaSonera AB

By:

Nan

ıme: _

MIER ASAGMA

(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of <u>PEQ ASPEMAR</u> to the above Assignment of Patent Rights on behalf of TeliaSonera AB and makes the following statements:

- 1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
- 2. PER ASPEMAR is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on December _____, 2013 to execute the above Assignment of Patent Rights on behalf of TeliaSonera AB.
- 3. PER ASPENHR subscribed to the above Assignment of Patent Rights on behalf of TeliaSonera AB.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on December 9, 2013

Print Name: MIKA VALLERPAA IPR MANAGER JULIASUMERA AB