#### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Xuming CHEN	05/14/2010
Mingxing LI	05/17/2010
Imtiyaz SHAIKH	05/14/2010

#### **RECEIVING PARTY DATA**

Name:	VERIZON PATENT AND LICENSING, INC.
Street Address:	One Verizon Way
City:	Basking Ridge
State/Country:	NEW JERSEY
Postal Code:	07920

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12781533

#### **CORRESPONDENCE DATA**

Fax Number: (571)432-0808

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: mberndsen@harrityllp.com
Correspondent Name: Harrity & Harrity, LLP
Address Line 1: 11350 Random Hills Road

Address Line 2: Suite 600

Address Line 4: Fairfax, VIRGINIA 22030

ATTORNEY DOCKET NUMBER: 20090715

NAME OF SUBMITTER: Richard A. Brisbin

Total Attachments: 3

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PATENT REEL: 024396 FRAME: 0161

#### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

## DYNAMIC INTERNET PROTOCOL REGISTRY FOR MOBILE INTERNET PROTOCOL-BASED COMMUNICATIONS

	Which has been executed by the undersigned concurrently herewith, and in which cas
	I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to
	insert here in the parentheses (Application Number, filed) the filing
	date and application number of said application when known.
	which was filed on and assigned Application No.
	and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal reissue, provisional, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on or claiming priority to said application; and in and to all original and reissued patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing;
П.	agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other paten applications on any and all said improvements; execute all rightful oaths, declarations, assignments, power of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to undersigned relating to said improvements and the history thereof, and generally de everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for Letters Patent and all Letters Patent on said improvements, in said Assignee, its successors and assigns; and
П.	covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.
N	WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:
Ver Bas	rizon entity (Assignee): <u>Verizon Patent and Licensing, Inc.</u> , having a place of business at <u>One Verizon Way</u> king Ridge, New Jersey 07920.
48	SIGNORS:
Sig	nature: Wis Chen Date: 5/14/2010
7±	Xuming CHEN  Date:
) i Bi	nature: Date:
Sign	nature: Date:
-	Imtiyaz SHAIKH

PATENT REEL: 024396 FRAME: 0162

Verizon Invention Assignment for Verizon Docket No.: 20090715 Page 1 of 1

#### ASSIGNMENT

VERIZON

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

### DYNAMIC INTERNET PROTOCOL REGISTRY FOR MOBILE INTERNET PROTOCOL-BASED COMMUNICATIONS

⊠which has been executed	by the undersigned	d concurrently herev	with, and in which case
I/we hereby authorize and request the Assig	nee, its successor	s, assigns and/or le	gal representatives, to
insert here in the parentheses (Application Nu	umber	, filed	) the filing
date and application number of said application	n when known.		•
which was filed on	and assigned	l Application No.	
and in and to said application, and all divising reissue, provisional, and all other applications. United States and all foreign countries on any application; and in and to all original and reiss States and foreign countries from any of said at the filing of any of said applications; and in Convention for the Protection of Industrial Pro	s for Letters Paten of said improveme sued patents which applications, and in and to all rights	at which have been ents or based on or contain have been or shall in and to all rights of which may exist to	or shall be filed in the laiming priority to said be issued in the United priority resulting from
that, when requested, without charge to, but a legal representatives, to carry out in good faith will execute all divisional, continuing (in who applications on any and all said improvements of attorney and other papers; communicate to a facts known to undersigned relating to said everything possible which said Assignee, its s for aiding in securing and maintaining proper to said improvements and all applications for I said Assignee, its successors and assigns; and	at the expense of, h the intent and pulle or in part), substantial and Assignee, its standard assignee, its standard assignee, assigns patent protection	said Assignee, its surpose of this Assignation titute, renewal, reissurf oaths, declaration successors, assigns, and the history there or representatives suffer said improvement	successors, assigns and nment, the undersigned use, and all other patent is, assignments, powers and representatives, all reof;—and generally do shall consider desirable ints and for vesting title
III. covenant with said Assignee, its successors, as mortgage, license, or other agreement affectin others by the undersigned, and that full right undersigned.	ig the rights and p	roperty herein ident	ified has been made to
IN WITNESS to my/our agreement to the foregoing, I/v	we have executed t	his Assignment as s	et forth below:
Verizon entity (Assignee): Verizon Patent and Licensir Basking Ridge, New Jersey 07920.	ng. Inc., having a p	olace of business at C	One Verizon Way
ASSIGNORS:			·
Signature:	Date:	v.,	•
Xuming CHEX			<del>-</del>
Signature:	Date:	t 117 /2010	<u> </u>
Mingxing LI	<u>.</u>	r	
Signature:	Date:		_
Imtiyaz SHAIKH			•

**PATENT REEL: 024396 FRAME: 0163** 

Verizon Invention Assignment for Verizon Docket No.: 20090715 Page 1 of 1

### **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire worldwide right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

# DYNAMIC INTERNET PROTOCOL REGISTRY FOR MOBILE INTERNET PROTOCOL-BASED COMMUNICATIONS

	I/we hereby authorize and request the Assigner insert here in the parentheses (Application Numdate and application number of said application v	e, its successors, as ber	ssigns and/or lega	al representatives, to
	which was filed on	and assigned Ap	plication No.	
	and in and to said application, and all division reissue, provisional, and all other applications for United States and all foreign countries on any of application; and in and to all original and reissue States and foreign countries from any of said applications; and in a Convention for the Protection of Industrial Prope	or Letters Patent when the said improvements of patents which have blications, and in another to all rights when the said results wh	nich have been or or based on or cla /e been or shall be d to all rights of p nich may exist un	shall be filed in the iming priority to said e issued in the United riority resulting from
I. ag	that, when requested, without charge to, but at legal representatives, to carry out in good faith t will execute all divisional, continuing (in whole applications on any and all said improvements; e of attorney and other papers; communicate to sai facts known to undersigned relating to said it everything possible which said Assignee, its suc for aiding in securing and maintaining proper pat to said improvements and all applications for Le said Assignee, its successors and assigns; and	the expense of, said the intent and purpose or in part), substitut execute all rightful or id Assignee, its succ improvements and to excessors, assigns or a atent protection for s	d Assignee, its surse of this Assignme, renewal, reissure aths, declarations, essors, assigns, at the history therecepresentatives sheald improvements	ccessors, assigns and nent, the undersigned e, and all other patent assignments, powers and representatives, all of; and generally do all consider desirable and for vesting title
III. c	ovenant with said Assignee, its successors, assigner mortgage, license, or other agreement affecting others by the undersigned, and that full right to undersigned.	the rights and prope	erty herein identif	ied has been made to
N W	ITNESS to my/our agreement to the foregoing, I/we	have executed this	Assignment as set	forth below:
	on entity (Assignee): <u>Verizon Patent and Licensing</u> ng Ridge, New Jersey <u>07920</u> .	<u>, Inc.</u> , having a place	of business at <u>Or</u>	ne Verizon Way
<u>ASSI</u>	GNORS:			
Signa	Xuming CHEN	Date:		
	ture:  Mingxing LI- ture:  Two by Shealth		-14-10	
~- <b>~</b>	Imtiyaz SHATKH			

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**RECORDED: 05/17/2010**