PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sergio AGUIRRE	09/16/2011
Lalit Ratilal KOTECHA	09/15/2011
Derek H. BAO	09/15/2011
David CHIANG	09/15/2011

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:	13235895

CORRESPONDENCE DATA

Fax Number: (571)432-0808 571-432-0800 Phone:

bfredrick@harrityllp.com Email:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

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: 20110372 NAME OF SUBMITTER: Eli Mazour

PATENT

REEL: 026927 FRAME: 0924

501662515

Total Attachments: 8 source=20110372_Assignment#page1.tif source=20110372_Assignment#page2.tif source=20110372_Assignment#page3.tif source=20110372_Assignment#page4.tif source=20110372_Assignment#page5.tif source=20110372_Assignment#page6.tif source=20110372_Assignment#page7.tif source=20110372_Assignment#page8.tif

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

OPTIMIZING DELIVERY OF STREAMS
Which has been executed by the undersigned concurrently herewith, and in which case I/we hereby authorize and request the Assignce, its successors, assigns and/or legal representatives, to insert here in the parentheses (Application Number $\frac{13/235,895}{6}$, filed $\frac{09/19/2011}{6}$) 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 filled 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;
II. 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 patent applications on any and all said improvements; execute all rightful oaths, declarations, assignments, powers 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 do 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
III. 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.
IN WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:
Verizon entity (Assignee): <u>Verizon Patent and Licensing, Inc.</u> , having a place of business at <u>One Verizon Way</u> , <u>Basking Ridge</u> , NJ 07920, USA.
ASSIGNORS:
Signature: Sergic AGUIRRE Date: Sept /16/20//
Signature: Date:
Signature: Date:

Verizon Invention Assignment for Verizon Docket No.: 20110372 Page 2 of 2

Signature:	 Date:
David CHIANG	

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OPTIMIZING DELIVERY OF STREAMS

	I/we hereby authorize and request the Assignee, it	undersigned concurrently herewith, and in which case is successors, assigns and/or legal representatives, to 13/235,895, filed 09/19/2011 the filing a known.
	which was filed on	and assigned Application No.
	reissue, provisional, and all other applications for L United States and all foreign countries on any of said application; and in and to all original and reissued pa States and foreign countries from any of said applica	continuing (in whole or in part), substitute, renewal, etters Patent which have been or shall be filed in the improvements or based on or claiming priority to said stents which have been or shall be issued in the United tions, and in and to all rights of priority resulting from to all rights which may exist under the International to any of the foregoing;
II. agr	that, when requested, without charge to, but at the legal representatives, to carry out in good faith the it will execute all divisional, continuing (in whole or in applications on any and all said improvements; execute of attorney and other papers; communicate to said A facts known to undersigned relating to said impreverything possible which said Assignee, its success for aiding in securing and maintaining proper patent	ers Patent for said improvements in its own name; and expense of, said Assignee, its successors, assigns and neent and purpose of this Assignment, the undersigned a part), substitute, renewal, reissue, and all other patent ite all rightful oaths, declarations, assignments, powers ssignee, its successors, assigns, and representatives, all overments and the history thereof; and generally do ors, assigns or representatives shall consider desirable protection for said improvements and for vesting title Patent and all Letters Patent on said improvements, in
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<u>ASSIGì</u>	NORS:	
Signatu	re: Sergio AGUIRRE	Date:
Signatu	All lost	Date: <u>09/15/20</u> //
Signatu	re: Derek H. BAO	Date:

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OPTIMIZING DELIVERY OF STREAMS

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which was filed on a	nd assigned Application No.
reissue, provisional, and all other applications for L United States and all foreign countries on any of said application; and in and to all original and reissued pa States and foreign countries from any of said applica	continuing (in whole or in part), substitute, renewal etters Patent which have been or shall be filed in the improvements or based on or claiming priority to said tents which have been or shall be issued in the United tions, and in and to all rights of priority resulting from o all rights which may exist under the International o any of the foregoing;
legal representatives, to carry out in good faith the in will execute all divisional, continuing (in whole or in applications on any and all said improvements; executed of attorney and other papers; communicate to said Assignet known to undersigned relating to said improvements; to said improvements; to said improvements; and assignee, its succession of aiding in securing and maintaining proper patent.	rs Patent for said improvements in its own name; and expense of, said Assignee, its successors, assigns and attent and purpose of this Assignment, the undersigned part), substitute, renewal, reissue, and all other patent te all rightful oaths, declarations, assignments, powers signee, its successors, assigns, and representatives, all overnents and the history thereof; and generally doors, assigns or representatives shall consider desirable protection for said improvements and for vesting title Patent and all Letters Patent on said improvements, in
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ASSIGNORS:	
Signature: Sergio AGUIRRE	Date:
Signature: Lalit Ratilal KOTECHA	Date:
Signature: Denk H. BAO	Date: 9-15-11

Verizon Invention Assignment for Verizon Docket No.: 20110372 Page 2 of 2

Signature:_		Date:
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and in and to said application, and all divisional, continuing (in whole or in part), substitute, renew reissue, provisional, and all other applications for Letters Patent which have been or shall be filed in United States and all foreign countries on any of said improvements or based on or claiming priority to s application; and in and to all original and reissued patents which have been or shall be issued in the Unit States and foreign countries from any of said applications, and in and to all rights of priority resulting for the filing of any of said applications; and in and to all rights which may exist under the Internation Convention for the Protection of Industrial Property to any of the foregoing; II. agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; a that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns a legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersign will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other pate applications on any and all said improvements; execute all rightful oaths, declarations, assignments, pow of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, facts known to undersigned relating to said improvements and the history thereof, and generally everything possible which said Assignee, its successors, assigns or representatives shall consider desiral for aiding in securing and maintaining proper patent protection for said improvements and for vesting to said improvements and all applications for Letters Patent and all Letters Patent on said improvements, said Assignee, its successors and assigns; and
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Signature: Date:
Signature: Date: Lalit Ratilal KOTECHA
Signature: Date:

Verizon Invention Assignment for Verizon Docket No.: 20110372

Page 2 of 2

Signature:__

David CHIANG

Data

PATENT REEL: 026927 FRAME: 0933

RECORDED: 09/19/2011