PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
James W. Paine	06/15/2009
Robert K. Dedrick	06/22/2009
Lee N. Goodman	06/15/2009
Rezwanul Azim	06/15/2009

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:	13291592

CORRESPONDENCE DATA

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 (703)439-2658

 Phone:
 571-297-0007

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 pto@snyderllp.com

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Mail.

Correspondent Name: Snyder, Clark, Lesch and Chung, LLP

Address Line 1: 950 Hemdon Parkway

Address Line 2: Suite 365

Address Line 4: Herndon, VIRGINIA 20170

NAME OF SUBMITTER: Kenneth M. Lesch

Total Attachments: 4

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> PATENT REEL: 027193 FRAME: 0429

OF \$40.00 13291592

Verizon Invention Assignment for Verizon Reference No.: 20090098 Page 1 of 2

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

1. 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

ASSIGNMENT

VOICE OVER INTERNET PROTOCOL DIAGNOSTICS

	Swhich has been executed by the undersigned concurrently herewith, and in which case I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to insert here in the parentheses (Application Number 12/490,679 filed June 24, 2009) 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;
II. a	gree 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. c	ovenant 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 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 Inc.</u> , having a place of business at <u>One Verizon Way</u> , ng Ridge, NJ 07920.
<u>ASSI</u>	GNORS:
Signa	ture: Date:
Signa	ture:

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Signature: Lee N. Goodney

Date: 6-15-09

Signature: Seyelowed Hyir

Date: 6/15/09

PATENT

REEL: 027193 FRAME: 0431

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

VOICE OVER INTERNET PROTOCOL DIAGNOSTICS

ir	Which has been executed by the undersigned concurrently herewith, and in which case I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to insert here in the parentheses (Application Number 12/490,679, filed June 24, 2009) the filing date and application number of said application when known.				
		which was filed on	and assigned App	lication No.	
re U aj S th	eissue, provisional, Inited States and al pplication, and in a states and foreign c me filing of any of	application, and all divisi and all other applications I foreign countries on any of and to all original and reiss ountries from any of said a f said applications; and in Protection of Industrial Pro	for Letters Patent whi of said improvements of ued patents which have pplications, and in and and to all rights which	ich have been or shall be r based on or claiming pre- been or shall be issued it to all rights of priority re ch may exist under the	e filed in the ciority to said in the United esulting from
th le w ap o fi e fo to	hat, when requested all divi- yill execute all divi- pplications on any of attorney and other acts known to un- verything possible or aiding in security of said improvement.	may apply for and received, without charge to, but as, to carry out in good faith sional, continuing (in whole and all said improvements or papers; communicate to a dersigned relating to said which said Assignee, its said and maintaining proper to and all applications for I accessors and assigns; and	at the expense of, said the intent and purpose or in part), substitute, execute all rightful out aid Assignee, its succe, improvements and the uccessors, assigns or re- patent protection for sa	Assignee, its successors, as of this Assignment, the renewal, reissue, and all this, declarations, assignments assors, assigns, and represent history thereof; and expresentatives shall considited improvements and for	, assigns and undersigned I other patent tents, powers sentatives, all generally do der desirable r vesting title
0	nortgage, license, c	signee, its successors, assor other agreement affectin signed, and that full right	g the rights and proper	ty herein identified has b	peen made to
IN WITN	ESS to my/our agre	ement to the foregoing, I/	ve have executed this A	assignment as set forth be	low:
	entity (Assignee): Ridge, NJ 07920.	Verizon Patent and Licer	sing Inc., having a pla	nce of business at One V	erizon Way,
ASSIGNO Signature:		mes	Date: <u>6</u> /	15/2009	
Signature	Robert K. Dedrick	x	Date:		

Verizon Invention Assignment for Verizon Reference No.: 20090098 Page 2 of 2

Signature: Lee N. Goodman	Date:	9
Signature:Rezwanul Azim	Date:	

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RECORDED: 11/08/2011