# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Satya S. Raju	12/14/2010
Mohammad Reza Shafiee	12/13/2010
Arunanand Addepalli	12/13/2010
Michael J. Naggar	12/14/2010

#### 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:	12971073

#### **CORRESPONDENCE DATA**

Fax Number: (703)439-2658

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

Phone: 571-297-0007
Email: pto@snyderllp.com

Correspondent Name: Snyder, Clark, Lesch & Chung, LLP
Address Line 1: 950 Herndon Parkway, Suite 365
Address Line 4: HERNDON, VIRGINIA 20170

74 TOTALE BOOKET HOMBER	ATTORNEY DOCKET NUMBER:	20100662
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NAME OF SUBMITTER: David A. Sumy

Total Attachments: 6

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PATENT REEL: 025772 FRAME: 0632

### 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

#### ASSET MANACED

ASSET MANAGI	CR
Which has been executed by the und  I/we hereby authorize and request the Assignee, its su insert here in the parentheses (Application Number 12 date and application number of said application when known	/971,073 , filed December 17, 2010) the filing
which was filed on and a	ssigned Application No.
and in and to said application, and all divisional, cont reissue, provisional, and all other applications for Letter United States and all foreign countries on any of said impapplication; and in and to all original and reissued patent States and foreign countries from any of said application the filing of any of said applications; and in and to all Convention for the Protection of Industrial Property to an	s Patent which have been or shall be filed in the rovements or based on or claiming priority to said a which have been or shall be issued in the United and in and to all rights of priority resulting from I rights which may exist under the International
II. agree that said Assignee may apply for and receive Letters P that, when requested, without charge to, but at the expelegal representatives, to carry out in good faith the intenwill execute all divisional, continuing (in whole or in parapplications on any and all said improvements; execute a of attorney and other papers; communicate to said Assign facts known to undersigned relating to said improver everything possible which said Assignee, its successors, for aiding in securing and maintaining proper patent proto said improvements and all applications for Letters Patsaid Assignee, its successors and assigns; and	nse of, said Assignee, its successors, assigns and and purpose of this Assignment, the undersigned it), substitute, renewal, reissue, and all other patent il rightful oaths, declarations, assignments, powers nee, its successors, assigns, and representatives, all nexts and the history thereof; and generally do assigns or representatives shall consider desirable section for said improvements and for vesting title
III. covenant with said Assignee, its successors, assigns and mortgage, license, or other agreement affecting the right others by the undersigned, and that full right to convey undersigned.	s and property herein identified has been made to
IN WITNESS to my/our agreement to the foregoing, I/we have ex	ecuted this Assignment as set forth below:
Verizon entity (Assignee): Verizon Patent and Licensing, Inc., Basking Ridge, NJ 07920.	naving a place of business at One Verizon Way,
ASSIGNORS:	
Signature: O C I	Date: 12/14/10
Signature: I Mohammad Reza Shaffee	Date:
Signature: I Arunanand Addepalli	Pate:

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Signature:\_

Michael J. Naga

Date: 14-Dec-2010

PATENT

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Verizon Invention Assignment for Verizon Reference No.: 20100662

Page 1 of 2

### 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 ("Assignce") 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

## ASSET MANAGER

I/we hereby authorize and request the Assignee,	the undersigned concurrently herewith, and in which case, its successors, assigns and/or logal representatives, to per 12/971,073 , filed December 17, 2010 ) the filing hen known.
which was filed on	and assigned Application No.
reissue, provisional, and all other applications for United States and all foreign countries on any of sa application; and in and to all original and reissued States and foreign countries from any of said appli	I. continuing (in whole or in part), substitute, renewal, r Letters Patent which have been or shall be filed in the aid improvements or based on or claiming priority to said patents which have been or shall be issued in the United ications, and in and to all rights of priority resulting from d to ail rights which may exist under the International y to any of the foregoing;
legal representatives, to carry out in good faith the will execute all divisional, continuing (in whole or applications on any and all said improvements; exe of attorney and other papers; communicate to said facts known to undersigned relating to said impeverything possible which said Assignee, its succe for aiding in securing and maintaining proper page	expense of, said Assignee, its successors, assigns and intent and purpose of this Assignment, the undersigned in part), substitute, renewal, reissue, and all other patent scute all rightful oaths, declarations, assignments, powers Assignee, its successors, assigns, and representatives, all provements and the history thereof; and generally do issors, assigns or representatives shall consider desirable int protection for said improvements and for vesting title its Patent and all Letters Patent on said improvements, in
III. covenant with said Assignee, its successors, assigns mortgage, license, or other agreement affecting the others by the undersigned, and that full right to co- undersigned.	and legal representatives that no assignment, grant, e rights and property herein identified has been made to mively the same as herein expressed is possessed by the
IN WITNESS to my/our agreement to the foregoing, I/we ha	we executed this Assignment as set forth below
Verizon entity (Assignee): Verizon Patent and Licensing, Basking Ridge, NJ 07920.	Inc., having a place of business at Onc Verizon Way,
ASSIGNORS:	•
Signature: Satya S. Raju/) ()	Date:
Signature: Mohammad Reza Shaffice	Date: 12/13/20/0
Signature: Arunanand Addepalli	Date: PATENT
	REEL: 025772 FRAME: 0635

Verizon Invention Assignment
for Verizon Reference No.: 20100662
Page 2 of 2

Signature: Date: Michael J. Naggar

**PATENT** 

**REEL: 025772 FRAME: 0636** 

## 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 int. It in and to any and all improvements which are described in the application for United States Letters

Pat entitled

### ASSET MANAGER

I/we hereby authorize insert here in the pare	and request the Assigner, i	ts successors, assigns a 12/971,073 filed (	otly herewith, and in which case and/or legal representatives, to December 17, 2010) the filing	
□w	hich was filed on	and assigned Applicatio	n No.	
reissue, provisional, an United States and all for application; and in and States and foreign coun the filing of any of si	nd all other applications for I preign countries on any of said I to all original and reissued p ntries from any of said applice	Letters Patent which had improvements or base atents which have been ations, and in and to all to all rights which ma	or in part), substitute, renewal, we been or shall be filed in the d on or claiming priority to said or shall be issued in the United rights of priority resulting from y exist under the International	
that, when requested, legal representatives, the will execute all division applications on any and other process of attorney and other process of acts known to under everything possible will for aiding in securing to said improvements.	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 agreen	nent to the foregoing, I/we have	ve executed this Assign	ment as set forth below:	
Verizon entity (Assignee): Ver Basking Ridge, NJ 07920.	rizon Patent and Licensing, I	inc., having a place of	business at One Verizon Way,	
ASSIGNORS:				
Signature: Satya S. Raju	<u> </u>	Date:	<del>.</del>	
Signature:			<del> </del>	
Mohammad Reza Sh Signature: Arunanand Addepal	WOWNER TO	Date: 12/13	•	
<del></del>			PATENT	

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Signature:	<u> </u>	Date;	
Michael (Naggar			

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**RECORDED: 12/17/2010**