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	04/14/2011
Raafat Edward KAMEL	04/14/2011
Kamlesh S. KAMDAR	04/14/2011
Lalit R. KOTECHA	04/14/2011

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:	13087481

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: rwideman@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: 20110092

NAME OF SUBMITTER: James M. Olsen

Total Attachments: 3

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OP \$40.00 1

PATENT REEL: 026133 FRAME: 0849

Verizon Invention Assignation Verizon Docket No.: 2011 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

COMMAND INTERFACE FOR OUTDOOR BROADBAND UNIT

I/we hereby authorize and request the Assignee insert here in the parentheses (Application Number of said application w	her 13/087, 481		
which was filed on and in and to said application, and all divisional reissue, provisional, and all other applications for United States and all foreign countries on any of application; and in and to all original and reissued States and foreign countries from any of said applications; and in an Convention for the Protection of Industrial Property	al, continuing (in war Letters Patent who aid improvements of patents which have ications, and in and to all rights which	whole or in part), substitut ich have been or shall be or based on or claiming price been or shall be issued in to all rights of priority resu	filed in the prity to said the United
II. agree that said Assignee may apply for and receive Leasthat, when requested, without charge to, but at the legal representatives, to carry out in good faith the will execute all divisional, continuing (in whole or applications on any and all said improvements; execon attorney and other papers; communicate to said facts known to undersigned relating to said improvements and all applications for Letter to said improvements and all applications for Letter said Assignee, its successors and assigns; and III. covenant with said Assignee, its successors, assigns mortgage, license, or other agreement affecting the others by the undersigned, and that full right to coundersigned.	e intent and purpose in part), substitute, ecute all rightful oat Assignee, its success provements and the essors, assigns or report protection for sailers Patent and all Less and legal represe	Assignee, its successors, a cof this Assignment, the un renewal, reissue, and all o hs, declarations, assignment assors, assigns, and represente history thereof; and generatives shall consider it improvements and for vetters Patent on said improvements and improvements are improvements.	essigns and indersigned ther patent its, powers itatives, all inerally do r desirable esting title ements, in
IN WITNESS to my/our agreement to the foregoing, I/we ha	eve executed this As	signment as set forth below	∵
Verizon entity (Assignee): <u>Verizon Patent and Licensing Inc</u> <u>Basking Ridge, NJ 07920</u> .			
ASSIGNORS:			
Signature: Servi Guiral	_ Date: Apr	il/14/2011	
Signature:	_ Date:	1 · · · · · · · · · · · · · · · · · · ·	
Raafat Edward KAMEL			
Signature:	Date:		
Kamlesh S. KAMDAR	ŧ	7. 3	
Signature:	Date:		
Lalit R. KOTECHA		•	

PATENT TOTAL P. 04
REEL: 026133 FRAME: 0850

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

COMMAND INTERFACE FOR OUTDOOR BROADBAND UNIT

I/we hereby authorize and request the Assignee, i	undersigned concurrently herewith, and in which case is successors, assigns and/or legal representatives, to 13/087, 481, filed April 15, 2011) the filing a known.
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 po 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 I improvements or based on or claiming priority to said atents which have been or shall be issued in the United ations, and in and to all rights of priority resulting from to all rights which may exist under the International
legal representatives, to carry out in good faith the i 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 ntent and purpose of this Assignment, the undersigned a part), substitute, renewal, reissue, and all other patent ate all rightful oaths, declarations, assignments, powers assignee, its successors, assigns, and representatives, all ovements and the history thereof; and generally do sors, assigns or representatives shall consider desirable a protection for said improvements and for vesting title 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 con undersigned.	and legal representatives that no assignment, grant, rights and property herein identified has been made to very the same as herein expressed is possessed by the
IN WITNESS to my/our agreement to the foregoing, I/we hav	e executed this Assignment as set forth below:
Verizon entity (Assignee): Verizon Patent and Licensing Inc., Basking Ridge, NJ 07920.	
ASSIGNORS:	
Signature:	Date:
Sergio AGUIRRE Signature: Ragfat Educad Kawl	Date: 4/14/1,
Raafat Edward KAMEL	·
Signature:	Date:
Kamlesh S. KAMDAR Signature:	Deter
Lalit R. KOTECHA	Date:

PATENT REEL: 026133 FRAME: 0851

Verizon Invention Assignment for Verizon Docket No.: 20110092 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

COMMAND INTERFACE FOR OUTDOOR BROADBAND UNIT

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 $\frac{13}{087}$, $\frac{481}{481}$, filed April 15, 2011) 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. 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): Verizon Patent and Licensing Inc., having a place of business at One Verizon Way, Basking Ridge, NJ 07920.
ASSIGNORS:
Signature: Date:
Sergio AGUIRRE
Signature: Date:
Raafat Edward KAMEL Signature: Date: 4 14 201
Kamlesh S. KAMDAR Signature: Date: 04/14/2011
Lalit R. KOTECHA

RECORDED: 04/15/2011

PATENT REEL: 026133 FRAME: 0852