

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bharath Nelakonda</td> <td>12/28/2011</td> </tr> <tr> <td>Stephen P. Hetey</td> <td>12/28/2011</td> </tr> <tr> <td>Javier Sebastian Rizzo</td> <td>12/27/2011</td> </tr> <tr> <td>Martin Hill</td> <td>12/23/2009</td> </tr> </tbody> </table>		Name	Execution Date	Bharath Nelakonda	12/28/2011	Stephen P. Hetey	12/28/2011	Javier Sebastian Rizzo	12/27/2011	Martin Hill	12/23/2009
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<table border="1"> <tr> <td>Name:</td> <td>Verizon Patent and Licensing Inc.</td> </tr> <tr> <td>Street Address:</td> <td>One Verizon Way</td> </tr> <tr> <td>City:</td> <td>Basking Ridge</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07920</td> </tr> </table>		Name:	Verizon Patent and Licensing Inc.	Street Address:	One Verizon Way	City:	Basking Ridge	State/Country:	NEW JERSEY	Postal Code:	07920
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CORRESPONDENCE DATA											
<p>Fax Number: (703)439-2658          Phone: 5712970007          Email: pto@snyderllp.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Snyder, Clark, Lesch and Chung, LLP          Address Line 1: 950 Herndon Parkway          Address Line 2: Suite 365          Address Line 4: Herndon, VIRGINIA 20170</p>											
ATTORNEY DOCKET NUMBER:	20110177										
NAME OF SUBMITTER:	Kenneth M. Lesch										

OP \$40.00 13342013

Total Attachments: 4

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**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

**TELEPHONE NUMBER USE ANALYSIS  
FOR GROUPS OF TELEPHONE NUMBERS**

☒ 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 13/342,013, filed December 31, 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.

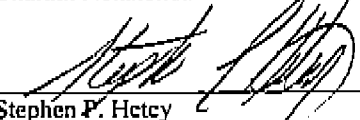
IN WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:

Verizon entity (Assignee): Verizon Patent and Licensing Inc., having a place of business at One Verizon Way, Basking Ridge, New Jersey 07920.


**ASSIGNORS:**

Signature: \_\_\_\_\_  
Bharath Nelakonda

Date: \_\_\_\_\_

Signature:   
Stephen P. Hctey

Date: 12/28/2011

Signature:   
Javier Sebastian Rizzo

Date: 12/27/2011

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Martin Hill

Date: \_\_\_\_\_

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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;

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