

## 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>Maria SAGAYARAJ</td><td>11/21/2011</td></tr><tr><td>Narayanadhoss GOPALAKRISHNAN</td><td>11/21/2011</td></tr><tr><td>Ganesh RAMASAMY</td><td>11/21/2011</td></tr><tr><td>Ramprasath HARIHARAN</td><td>11/21/2011</td></tr><tr><td>Sundar SIVARAMAN</td><td>11/21/2011</td></tr></tbody></table>	Name	Execution Date	Maria SAGAYARAJ	11/21/2011	Narayanadhoss GOPALAKRISHNAN	11/21/2011	Ganesh RAMASAMY	11/21/2011	Ramprasath HARIHARAN	11/21/2011	Sundar SIVARAMAN	11/21/2011	
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Sundar SIVARAMAN	11/21/2011												
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													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13303936</td></tr></tbody></table>	Property Type	Number	Application Number:	13303936									
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Application Number:	13303936												
CORRESPONDENCE DATA													
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Correspondent Name:	HARRITY & HARRITY, LLP												
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Address Line 4:	Fairfax, VIRGINIA 22030												
ATTORNEY DOCKET NUMBER:	20110658												
NAME OF SUBMITTER:	John E. Harrity												
Total Attachments: 2 source=20110658_Assignment#page1.tif source=20110658_Assignment#page2.tif													

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PATENT

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REEL: 027274 FRAME: 0132

Verizon Invention Assignment  
for Verizon Docket No.: 20110658  
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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

#### VIDEO RESPONSES TO MESSAGES

☒ 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 13/303,936, filed 11/23/2011) 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: \_\_\_\_\_

M. Maria Gu  
Maria SAGAYARAJ

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

21/11/2011

Signature: \_\_\_\_\_

Narayanadhoss GOPALAKRISHNAN

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

21-Nov-2011

Verizon Invention Assignment  
for Verizon Docker No.: 20110658  
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Signature: \_\_\_\_\_

Ganesh RAMASAMY

Date: 21/11/2011

Signature: \_\_\_\_\_

Ramprasath HARIHARAN

Date: 21-Nov-2011

Signature: \_\_\_\_\_

Sundar SIVARAMAN

Date: 21-NOV-2011