

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2758133

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>VENKAT KALKUNTE</td> <td>03/03/2014</td> </tr> <tr> <td>PRAVIN BATHIJA</td> <td>02/28/2014</td> </tr> </tbody> </table>		Name	Execution Date	VENKAT KALKUNTE	03/03/2014	PRAVIN BATHIJA	02/28/2014
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VENKAT KALKUNTE	03/03/2014						
PRAVIN BATHIJA	02/28/2014						
RECEIVING PARTY DATA							
Name:	VIVINT, INC.						
Street Address:	4931 N. 300 W.						
City:	PROVO						
State/Country:	UTAH						
Postal Code:	84604						
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>14200607</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14200607		
Property Type	Number						
Application Number:	14200607						
CORRESPONDENCE DATA							
Fax Number:							
Phone:	612-977-1163						
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	VIVINT						
Address Line 1:	C/O CPA GLOBAL						
Address Line 2:	P.O. BOX 52050						
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ATTORNEY DOCKET NUMBER:	VWIR002 (83199.0047)						
NAME OF SUBMITTER:	J. SCOTT KARREN						
Signature:	/J. Scott Karren/						
Date:	03/07/2014						

PATENT

Total Attachments: 5

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

U.S. PATENT APPLICATION NO. .... TBD  
FILING DATE ..... TBD  
INVENTOR..... Venkat Kalkunte  
ASSIGNEE..... Vivint, Inc.  
ATTORNEY’S DOCKET NO ..... VWIR002 (83199.0047)  
TITLE..... BANDWIDTH ESTIMATION BASED ON LOCATION IN A WIRELESS NETWORK

**PATENT ASSIGNMENT**

**Inventors:**

Venkat Kalkunte  
18380 Sage Ct.  
Saratoga, CA 95070

Pravin Bathija  
60 Descanso dr Apt 3224  
San Jose, CA 95134

**Assignee:**

Vivint, Inc.  
4931 N. 300 W.  
Provo, UT 84604

**BACKGROUND OF THE ASSIGNMENT**

INVENTORS have conceived a certain new and useful invention disclosed in a United States patent application titled “BANDWIDTH ESTIMATION BASED ON LOCATION IN A WIRELESS NETWORK.”

ASSIGNEE desires to acquire the entire right, title and interest in the invention and with respect to any Letters Patent or grant of rights equivalent thereto that may be granted with respect to the invention in both the United States and in all foreign countries.

**THE PARTIES AGREE AS FOLLOWS:**

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, each of the undersigned INVENTORS hereby sells, assigns, and transfers to Vivint, Inc., a corporation of the state of Utah, the entire right, title, and interest in the above-identified patent application executed concurrently herewith and to all divisional, continuing, substitute, renewal, reissue, and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all countries foreign to the United States relating to any subject matter disclosed by the above-identified patent application and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent to ASSIGNEE for the sole use of ASSIGNEE, its successors, or assigns.

Specifically, ASSIGNEE is hereby authorized to apply for patents relating to the invention in its own name in countries where such procedure is proper; to claim the benefit of, file, and prosecute applications relating to the invention under any international conventions or treaties, if applicable. INVENTORS agree to execute applications relating to the invention in those countries and under those international conventions or treaties, if applicable, where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the resulting grant of patent rights or equivalents thereof to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent.

Each of the INVENTORS further agree, at the request and expense of ASSIGNEE, to:  
execute all divisional, continuing, substitute, renewal, reissue, and any other documents relating thereto;  
execute all rightful oaths, declarations, assignments, powers of attorney, and other papers;

communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known to the undersigned relating to the above-referenced Application for United States Letters Patent;

testify as to the same in any interference, litigation, or other proceeding relating to the above-referenced application for United States Letters Patent; and

in general, do everything reasonably possible which the ASSIGNEE shall consider desirable for vesting title to such Application for United States Letters Patent in the ASSIGNEE, and for securing, maintaining, defending, or enforcing valid and enforceable patent protection therefor.

Each of the INVENTORS acknowledge that the sale, assignment, and transfer of rights and property set forth herein is and shall be irrevocable and binding upon the heirs, assigns, representatives and successors of each undersigned INVENTOR and extends to the successors, assigns, and nominees of the ASSIGNEE.

### **POWER OF ATTORNEY**

In the event the ASSIGNEE is unable to secure INVENTORS' signature on any document necessary to apply for, prosecute, obtain, or enforce any patent, copyright, or other right or protection relating to any invention, whether due to mental or physical incapacity or other cause, INVENTORS hereby irrevocably designate and appoint the ASSIGNEE and each of its duly authorized officers and agents as his or her agent and attorney-in-fact, to act for and in his or her behalf and stead to execute and file any such documents and to do all other lawfully permitted acts to further the prosecution, issuance, and enforcement of patents, copyrights, or other rights or protections with the same force and effect as if executed and delivered by the

INVENTORS.

Signed on March 3, 2014.

Venkat Kalkunte  
Venkat Kalkunte

Signed on \_\_\_\_\_, 2014.

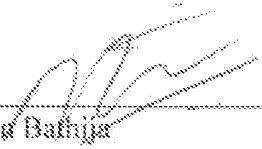
\_\_\_\_\_  
Pravin Bathija

INVENTORS.

Signed on \_\_\_\_\_, 2014.

\_\_\_\_\_  
Venkat Kalkunte

Signed on Feb 28, 2014.

  
\_\_\_\_\_  
Pravin Bafhije