

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Deepak KAKADIA</td> <td>08/16/2013</td> </tr> <tr> <td>Thomas H. TAN</td> <td>08/02/2013</td> </tr> <tr> <td>Sagiv DRAZNIN</td> <td>08/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Deepak KAKADIA	08/16/2013	Thomas H. TAN	08/02/2013	Sagiv DRAZNIN	08/27/2013
Name	Execution Date								
Deepak KAKADIA	08/16/2013								
Thomas H. TAN	08/02/2013								
Sagiv DRAZNIN	08/27/2013								
RECEIVING PARTY DATA									
Name:	Verizon Patent and Licensing Inc.								
Street Address:	One Verizon Way								
City:	Basking Ridge								
State/Country:	VIRGINIA								
Postal Code:	22030								
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>14011298</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14011298				
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Application Number:	14011298								
CORRESPONDENCE DATA									
Fax Number:	5714320808								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	5714320800								
Email:	neways@harrityllp.com								
Correspondent Name:	Harrity & Harrity LLP								
Address Line 1:	11350 Random Hills Rd								
Address Line 2:	Suite 600								
Address Line 4:	Fairfax, VIRGINIA 22030								
ATTORNEY DOCKET NUMBER:	20130628								
NAME OF SUBMITTER:	Christopher T. Braniff								
Signature:	/Christopher T Braniff, Reg. No. 71,725/								

Date:	08/27/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 6 source=20130628_Declaration-Assignment#page1.tif source=20130628_Declaration-Assignment#page2.tif source=20130628_Declaration-Assignment#page3.tif source=20130628_Declaration-Assignment#page4.tif source=20130628_Declaration-Assignment#page5.tif source=20130628_Declaration-Assignment#page6.tif</p>	

**DECLARATION AND ASSIGNMENT
FOR UTILITY PATENT APPLICATION**

Patent Application Title: PRIVATE MULTICAST NETWORKS

the patent application for which:

is being filed concurrently herewith, Application Number to be assigned by the USPTO, or
 was filed on _____ as United States Application Number _____ or PCT International
Application Number _____.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Deepak KAKADIA

Mailing Address: 32517 Spanish Bay Ct., Union City, CA 94587

Signature: _____



Date: _____

Aug 16 2013

VZ Docket No.: 20130628

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VZ Docket No.: 20130628

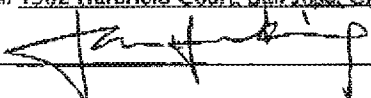
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IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Thomas H. TAN

Mailing Address: 1302 Harefield Court, San Jose, CA 95131

Signature:  Date: 8/2/13

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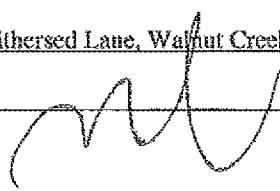
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IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Sagiv DRAZNIN

Mailing Address: 3424 Withersed Lane, Walnut Creek, CA 94598

Signature: _____



Date: _____

8/27/13