

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3788177

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANUP MANTRI	02/11/2015
JUSSI MYLLYMAKI	02/12/2015
CHANDU THOTA	03/16/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GOOGLE INC.
<b>Street Address:</b>	1600 AMPHITHEATRE PARKWAY
<b>City:</b>	MOUNTAIN VIEW
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61938537
<b>Application Number:</b>	14618653
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)474-6300
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>Address Line 1:</b>	233 SOUTH WACKER DRIVE
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<b>ATTORNEY DOCKET NUMBER:</b>	31730/20339-00
<b>NAME OF SUBMITTER:</b>	NICK FAIRMAN
<b>SIGNATURE:</b>	/Nick Fairman/
<b>DATE SIGNED:</b>	03/17/2016
<b>Total Attachments: 4</b>	
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MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, 6300 Willis Tower, Chicago, Illinois 60606-6357

**ASSIGNMENT**

Serial No: 14/618,653

Filed: February 10, 2015

Title: VIRTUAL GEOGRAPHIC PERIMETERS MADE UP OF MULTIPLE COMPONENT SHAPES

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned hereby assigns to GOOGLE INC., 1600 Amphitheatre Parkway, Mountain View, California 94043 and its successors and assigns ("Assignee") the entire right, title, and interest in and to the inventions of such undersigned that are disclosed in the application listed above-identified U.S. non-provisional patent application, in the below-listed provisional patent application; and in said applications and any and all other applications, both in the United States and in other countries. Also assigned are (i) all rights in any and all other applications anywhere in the world that the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, (ii) all rights in any and all patents that may be obtained on any of said applications, and (iii) all rights in any and all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions thereof. The rights assigned include without limitation, the right to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement of any of the foregoing, and the right of priority (including without limitation the right to claim priority benefit of or to said patent applications.) The undersigned request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee.

<u>Application No.</u>	<u>Filing Date</u>	<u>Country</u>	<u>Title</u>
61/938,537	02/11/2014	US	Virtual Geographic Perimeters Made Up Of Multiple Component Shapes
PCT/US15/15168	02/10/2015	PCT	Virtual Geographic Perimeters Made Up Of Multiple Component Shapes


Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or a joint inventor with another undersigned of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, titles and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, titles and interests herein assigned.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said inventions, including without limitation for the reissue, reexamination, supplementary protection certificate or extension thereof and any oath, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the best of the ability of the undersigned with

and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce and vest in Assignee the rights, titles and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, titles and interests will be held and enjoyed by said Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.


Date: Feb 11, 2015

Signature:   
Arjun Mehta (Feb 11, 2015)

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

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

Date: Feb 12, 2015

Signature:   
Arjun Mehta (Feb 12, 2015)

**ASSIGNMENT**

Serial No: 14/618,653

Filed: February 10, 2015

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

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

Date: 3/16/2016

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

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

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