

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3992301

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT C. PIKE	09/28/2004
SEAN QUINLAN	09/28/2004
SEAN M. DORWARD	09/28/2004
JEFFREY DEAN	09/28/2004
SANJAY GHEMAWAT	09/28/2004
<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: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15226795
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)843-4001
<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>	
<b>Phone:</b>	650.843.4000
<b>Email:</b>	daria.stokes@morganlewis.com
<b>Correspondent Name:</b>	MORGAN LEWIS BOCKIUS
<b>Address Line 1:</b>	1400 PAGE MILL ROAD
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94304-1124
<b>ATTORNEY DOCKET NUMBER:</b>	060963-7279-US
<b>NAME OF SUBMITTER:</b>	BRETT LOVEJOY
<b>SIGNATURE:</b>	/Brett Lovejoy/
<b>DATE SIGNED:</b>	08/04/2016
<b>Total Attachments: 5</b>	
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MORGAN, LEWIS & BOCKIUS LLP DOCKET NO. 60963-5009-US

JOINT

ASSIGNMENT

WHEREAS, WE, Robert C. Pike, citizen of Canada, residing in Menlo Park, California; Sean Quinlan, citizen of the United States, residing in Menlo Park, California; Sean M. Dorward, citizen of the United States, residing in Martinsville, New Jersey; Jeffrey Dean, citizen of the United States, residing in Palo Alto, California; and Sanjay Ghemawat, citizen of the United States, residing in Mountain View, California, ASSIGNORS, are the inventors of the invention in SYSTEM AND METHOD FOR ANALYZING DATA RECORDS, for which we have executed an application for a Patent of the United States

- which is executed on \_\_\_\_\_  even date herewith or
- which is identified by Morgan, Lewis & Bockius LLP docket no. 60963-5009-US
- which was filed on \_\_\_\_\_, Application No. \_\_\_\_\_
- We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius, LLP, to insert here in parentheses (Application number, \_\_\_\_\_ filed \_\_\_\_\_) the filing date and application number of said application when known.

and WHEREAS, Google, Inc., ASSIGNEE, having a place of business at 1600 Amphitheatre Pkwy., Building 41, Mountain View, CA 94043-1351, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for Industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of Industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Sept 28 2004, 2004 Robert C. Pike L.S.

Date Sept 28 2004, 2004 Sean Quinlan L.S.

Date \_\_\_\_\_, 2004 Sean M. Dorward L.S.

MORGAN, LEWIS & BOCKIUS LLP DOCKET NO. 60963-5009-US

JOINT

ASSIGNMENT

WHEREAS, WE, Robert C. Pike, citizen of Canada, residing in Menlo Park, California; Sean Quinlan, citizen of the United States, residing in Menlo Park, California; Sean M. Dorward, citizen of the United States, residing in Martinsville, New Jersey; Jeffrey Dean, citizen of the United States, residing in Palo Alto, California; and Sanjay Ghemawat, citizen of the United States, residing in Mountain View, California, ASSIGNORS, are the inventors of the invention in SYSTEM AND METHOD FOR ANALYZING DATA RECORDS, for which we have executed an application for a Patent of the United States

- which is executed on  even date herewith or
- which is identified by Morgan, Lewis & Bockius LLP docket no. 60963-5009-US
- which was filed on \_\_\_\_\_, Application No. \_\_\_\_\_
- We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius, LLP, to insert here in parentheses (Application number, \_\_\_\_\_ filed \_\_\_\_\_) the filing date and application number of said application when known.

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_, 2004 \_\_\_\_\_ L.S.  
Robert C. Pike

Date \_\_\_\_\_, 2004 \_\_\_\_\_ L.S.  
Sean Quinlan

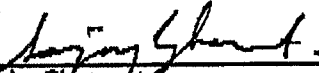
Date Sep. 23, 2004 \_\_\_\_\_ L.S.  
Sean M. Dorward

MORGAN, LEWIS & BOCKIUS LLP DOCKET NO. 60963-5009-US

Date ~~Sept~~ <sup>Sept.</sup> 28, 2004

  
Jeffrey Dean L.S.

Date Sept 28, 2004

  
Sanjay Ghemawat L.S.



02963-5858-US  
Gw/BAL/AJS

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 27, 2013

PTAS

GARY S. WILLIAMS  
MORGAN LEWIS & BOCKIUS LLP  
3000 EL CAMINO REAL, BLDG. 2, SUITE  
700  
PALO ALTO, CA 94306

**502286671**

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 03/26/2013/

REEL/FRAME: 030087/0661  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 60963-5858-US

ASSIGNOR:  
PIKE, ROBERT C. /

DOC DATE: 09/28/2004

ASSIGNOR:  
QUINLAN, SEAN /

DOC DATE: 09/28/2004

ASSIGNOR:  
DORWARD, SEAN M. /

DOC DATE: 09/28/2004

ASSIGNOR:  
DEAN, JEFFREY /

DOC DATE: 09/28/2004

ASSIGNOR:  
GHEMAWAT, SANJAY /

DOC DATE: 09/28/2004

ASSIGNEE:  
GOOGLE INC. /  
1600 AMPHITHEATRE PARKWAY  
MOUNTAIN VIEW, CALIFORNIA 94043

**NO DOCKETING REQUIRED:  
INFORMATION ADDED**

RECEIVED DOCKETING

MAR 28 2013

APPLICATION NUMBER: 13407632 ✓

FILING DATE: 02/28/2012 ✓

PATENT NUMBER:

ISSUE DATE:

TITLE: SYSTEM AND METHOD FOR ANALYZING DATA RECORDS ✓

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION