

PATENT ASSIGNMENT

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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>Douglas Michael Mayle</td> <td>07/29/2011</td> </tr> <tr> <td>Joshua R. Siegel</td> <td>07/27/2011</td> </tr> </tbody> </table>		Name	Execution Date	Douglas Michael Mayle	07/29/2011	Joshua R. Siegel	07/27/2011				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Google Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1600 Amphitheatre Parkway</td> </tr> <tr> <td>City:</td> <td>Mountain View</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94043</td> </tr> </table>		Name:	Google Inc.	Street Address:	1600 Amphitheatre Parkway	City:	Mountain View	State/Country:	CALIFORNIA	Postal Code:	94043
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CORRESPONDENCE DATA											
<p>Fax Number: (801)355-0160</p> <p>Phone: 801-258-9835</p> <p>Email: patents@patentlawworks.net</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Kanda Ishihara, Patent Law Works</p> <p>Address Line 1: 165 South Main Street, 2nd Floor</p> <p>Address Line 4: Salt Lake City, UTAH 84111</p>											
ATTORNEY DOCKET NUMBER:	10029-03490 US										
NAME OF SUBMITTER:	Kanda V. Ishihara										
<p>Total Attachments: 3</p> <p>source=03490US_Assn#page1.tif</p> <p>source=03490US_Assn#page2.tif</p> <p>source=03490US_Assn#page3.tif</p>											

OP \$40.00 13536822

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Google Inc.**, a **Delaware** corporation, having a place of business at **1600 Amphitheatre Parkway, Mountain View, CA 94043** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **DYNAMIC BITWISE SHARDING OF LIVE STREAM COMMENT GROUPS** ("APPLICATION"), which:

- ☒ having a filing date of July 29, 2011, and bearing U.S. application serial number 13/194,036.
- ☐ The APPLICATION claims the benefit of a provisional application, filed on _____, now bearing U.S. application serial number _____.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

Title: **DYNAMIC BITWISE SHARDING OF LIVE STREAM
COMMENT GROUPS**

Filed: July 29, 2011

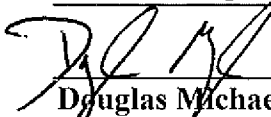
Application No.: 13/194,036

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature



Douglas Michael Mayle

Name and Signature

Joshua R. Siegel

Date of Signature

7-29-2011

Date of Signature

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Name and Signature

Date of Signature

Douglas Michael Mayle

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7/27/11