

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>David R. Bailey</td> <td>05/05/2005</td> </tr> <tr> <td>Alexis J. Battle</td> <td>05/05/2005</td> </tr> <tr> <td>Benedict A. Gomes</td> <td>05/05/2005</td> </tr> <tr> <td>P. Pandurang Nayak</td> <td>05/05/2005</td> </tr> </tbody> </table>		Name	Execution Date	David R. Bailey	05/05/2005	Alexis J. Battle	05/05/2005	Benedict A. Gomes	05/05/2005	P. Pandurang Nayak	05/05/2005		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Google, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1600 Amphitheatre Parkway</td> </tr> <tr> <td>Internal Address:</td> <td>Building 41</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	Internal Address:	Building 41	City:	Mountain View	State/Country:	CALIFORNIA	Postal Code:	94043
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CORRESPONDENCE DATA													
<p>Fax Number: (877)769-7945</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-783-5070</p> <p>Email: apsi@fr.com</p> <p>Correspondent Name: David A. Jordan</p> <p>Address Line 1: FISH & RICHARDSON P.C.</p> <p>Address Line 2: P.O.BOX 1022</p> <p>Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>													
ATTORNEY DOCKET NUMBER:	16113-1111002												
NAME OF SUBMITTER:	Arlene F. Yates												

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PATENT
REEL: 023116 FRAME: 0132

Total Attachments: 4

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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, Building 41, Mountain View, California 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 **ESTIMATING CONFIDENCE FOR QUERY REVISION MODELS** ("APPLICATION"), which:

- ☐ is to be filed herewith.
- ☒ was filed on March 30, 2005, and now bears U.S. application serial number 11/096,198.
- ☐ The APPLICATION claims priority from [a provisional/foreign application], filed on _____, now bearing [Country] 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: ESTIMATING CONFIDENCE FOR QUERY REVISION MODELS
Filed: March 30, 2005
Application No.: 11/096,198

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
David R. Bailey
David R. Bailey

Date of Signature
May 5, 2005

Name and Signature
Alexis J. Battle
Alexis J. Battle

Date of Signature
May 5, 2005

Name and Signature
Benedict A. Gomes
Benedict A. Gomes

Date of Signature
May 5, 2005

Name and Signature
P. Pandurang Nayak
P. Pandurang Nayak

Date of Signature
May 5, 2005

Title: ESTIMATING CONFIDENCE FOR QUERY REVISION MODELS
Filed: March 30, 2005
Application No.: 11/096,198

State of _____
County of _____

On _____ before me, _____ personally appeared
[DATE] [NOTARY PUBLIC]

David R. Bailey personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal

Notary

State of _____
County of _____

On _____ before me, _____ personally appeared
[DATE] [NOTARY PUBLIC]

Alexis J. Battle personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal

Notary

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State of _____
County of _____

On _____ before me, _____ personally appeared
[DATE] [NOTARY PUBLIC]

Benedict A. Gomes personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal

Notary

State of _____
County of _____

On _____ before me, _____ personally appeared
[DATE] [NOTARY PUBLIC]

P. Pandurang Nayak personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal

Notary