

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Chris Olston</td><td>06/16/2008</td></tr><tr><td>Jayavel Shanmugasundaram</td><td>06/18/2008</td></tr><tr><td>Sandeep Pandey</td><td>06/17/2008</td></tr></tbody></table>		Name	Execution Date	Chris Olston	06/16/2008	Jayavel Shanmugasundaram	06/18/2008	Sandeep Pandey	06/17/2008
Name	Execution Date								
Chris Olston	06/16/2008								
Jayavel Shanmugasundaram	06/18/2008								
Sandeep Pandey	06/17/2008								
RECEIVING PARTY DATA									
Name:	Yahoo! Inc.								
Street Address:	701 First Avenue								
City:	Sunnyvale								
State/Country:	CALIFORNIA								
Postal Code:	94089								
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>12143710</td></tr></tbody></table>		Property Type	Number	Application Number:	12143710				
Property Type	Number								
Application Number:	12143710								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	50269-1051								
NAME OF SUBMITTER:	Christian A. Nicholes								
Total Attachments: 4 source=50269-1051AssignAsFiled#page1.tif source=50269-1051AssignAsFiled#page2.tif source=50269-1051AssignAsFiled#page3.tif									

OP \$40.00 12143710

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PATENT  
REEL: 021134 FRAME: 0158



### ASSIGNMENT OF PATENT APPLICATION BY INVENTOR

Whereas I, an undersigned inventor (hereinafter "INVENTOR"), have invented certain new and useful improvements as set forth in the patent application entitled:

#### ADAPTIVE MATERIALIZED VIEW SELECTION FOR DATABASES

- ☒ for which I have executed a U.S. patent application on even date herewith.
- ☐ which bears U.S. application serial No. \_\_\_\_\_, filed \_\_\_\_\_.
- ☐ for which I have executed a patent application in the country of \_\_\_\_\_ on even date herewith.
- ☐ which I have executed a U.S. provisional application on even date herewith.
- ☐ which is a U.S. provisional application which bears U.S. application serial No. \_\_\_\_\_, filed \_\_\_\_\_.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

(a) Sell, assign and transfer to Yahoo! Inc., a Delaware corporation having a place of business at 701 First Avenue, Sunnyvale, California 94089 (hereinafter "ASSIGNEE"), (1) the entire right, title and interest, and any and all revenues and rights to revenue, for any purpose, associated with commercialization, everywhere in the world, to (A) any and all inventions described in said Application, (B) said Application, (C) any patent that may be granted thereof, (D) any patent applications or patents which may claim priority of (or serve as the basis for a priority claim by) said Application (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties), and; (2) the right to sue third parties for patent infringement (including but not limited to damages) accruing based on activities occurring prior to the execution date hereof.

(b) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.

(c) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, and to communicate to the ASSIGNEE any facts known to us respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and

necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

(d) Warrant and covenant that no other assignment, license, contract, understanding, interest or other grant to any third party with respect to any of the foregoing has been made, or shall in the future be made, by or on behalf of INVENTOR.

(e) Covenant not to challenge the validity or enforceability of any of the patent applications or patents assigned to ASSIGNEE hereunder.

(f) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the INVENTOR, as well as the INVENTOR's heirs, legal representatives and assigns.

(g) Authorize and request my attorney/agent to insert above the application number in order to assist with recordal of this assignment or any other information necessary to perfect this assignment.

IN TESTIMONY WHEREOF, I Chris Olston have executed this document on the date indicated below.

Chris Olston  
Signature of Inventor

6/16/08  
Date

Mountain View, CA  
Inventor's City, State of residence

Witnessed by:

(1) George Wchenko  
Signature of Witness

GEORGE Wchenko  
Print Witness Name

(2) N. Dalvi  
Signature of Witness

Nilesh Dalvi  
Print Witness Name

6/16/08  
Date

San Ramon, CA  
Witness' City, State of residence

6/16/08  
Date

Menlo Park, CA  
Witness' City, State of residence

Adaptive Materialized View Selection For Databases by Chris Olston, Jayavel Shanmugasundaram and Sandeep Pandey to Yahoo! Inc.  
Firm 50269-1051/ Y04322US00

IN TESTIMONY WHEREOF, I Jayavel Shanmugasundaram have executed this document on the date indicated below.

J. Jayavel  
Signature of Inventor

18 Jun 2008  
Date

Santa Clara, CA  
Inventor's City, State of residence

Witnessed by:

(1) [Signature]  
Signature of Witness

6/18/2008  
Date

MINOS GAROFALAKIS  
Print Witness Name

SANTA CLARA, CA  
Witness' City, State of residence

(2) [Signature]  
Signature of Witness

6/18/2008  
Date

DEEPAK AGARWAL  
Print Witness Name

SANTA CLARA, CA.  
Witness' City, State of residence

Adaptive Materialized View Selection For Databases by Chris Olston, Jayavel Shanmugasundaram and Sandeep Pandey  
to Yahoo! Inc.  
Firm 50269-1051/ Y04322US00

IN TESTIMONY WHEREOF, I Sandeep Pandey have executed this document on the date indicated below.

Sandeep Pandey  
Signature of Inventor

06/17/08  
Date

Santa Clara, CA  
Inventor's City, State of residence

**Witnessed by:**

(1) Utkarsh  
Signature of Witness

6/17/08  
Date

UTKARSH SRIVASTAVA  
Print Witness Name

FREMONT, CA  
Witness' City, State of residence

(2) Deepayan  
Signature of Witness

6/17/08  
Date

DEEPAYAN CHAKRABARTI  
Print Witness Name

MOUNTAIN VIEW, CA  
Witness' City, State of residence