

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>Olivier Chapelle</td> <td>04/20/2012</td> </tr> <tr> <td>John Langford</td> <td>04/19/2012</td> </tr> <tr> <td>Miroslav Dudik</td> <td>04/23/2012</td> </tr> <tr> <td>Alekh Agarwal</td> <td>04/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Olivier Chapelle	04/20/2012	John Langford	04/19/2012	Miroslav Dudik	04/23/2012	Alekh Agarwal	04/25/2012
Name	Execution Date										
Olivier Chapelle	04/20/2012										
John Langford	04/19/2012										
Miroslav Dudik	04/23/2012										
Alekh Agarwal	04/25/2012										
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>13458545</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13458545						
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Application Number:	13458545										
CORRESPONDENCE DATA											
Fax Number:	(312)876-7934										
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Email:	paula.theismann@snrdenton.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Paula M. Theismann - SNR Denton US LLP										
Address Line 1:	P.O. Box 061080										
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ATTORNEY DOCKET NUMBER:	30016020-0218										
NAME OF SUBMITTER:	Paula M. Theismann										
Total Attachments: 6											

OP \$40.00 13458545

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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:

METHOD AND SYSTEM FOR DISTRIBUTED MACHINE LEARNING

- 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 reissue applications, make all rightful oaths and generally perform any acts which are reasonably 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.

Assignment of Olivier Chapelle, John Langford, Miroslav Dujic and Ajith Agarwal to Yahoo! Inc.
SNR Denton Ref. No.: 30016020-0218 Y! Number: Y08075US00:

IN TESTIMONY WHEREOF, I Olivier Chapelle have executed this document on the date indicated below.

Signature of Inventor 	Date <u>04/20/12</u>
<u>Sunnyvale, CA</u>	
Inventor's City, State of residence	

Witnessed by:

(1) <u>Sauraj Goswami</u>	Date <u>04/20/2012</u>
Signature of Witness	Date

<u>SAURAJ GOSWAMI</u>	
Print Witness Name	

(2) <u>Julian Weber</u>	Witness' City, State of residence <u>Palo Alto, CA</u>
Signature of Witness	Date <u>04/20/2012</u>

<u>Julian Weber</u>	Date <u>Palo Alto, CA</u>
Print Witness Name	Witness' City, State of residence

IN TESTIMONY WHEREOF, I John Langford have executed this document on the date indicated below.

Signature of Inventor	Date
-----------------------	------

Inventor's City, State of residence

Witnessed by:

(1)	Date
Signature of Witness	Date

Print Witness Name	Witness' City, State of residence
--------------------	-----------------------------------

(2)	Date
Signature of Witness	Date

Print Witness Name	Witness' City, State of residence
--------------------	-----------------------------------

IN TESTIMONY WHEREOF, I Olivier Chapelle have executed this document on the date indicated below.

Signature of Inventor

Date

Inventor's City, State of residence

Witnessed by:

(1) _____

Signature of Witness

Date

Print Witness Name

Witness' City, State of residence

(2) _____

Signature of Witness

Date

Print Witness Name

Witness' City, State of residence

IN TESTIMONY WHEREOF, I John Langford have executed this document on the date indicated below.

John Langford
Signature of Inventor

4/19/12
Date

White Plains, NY
Inventor's City, State of residence

Witnessed by:

(1) _____

Signature of Witness

4/19/12
Date

David Pennock
Print Witness Name

Princeton, NJ
Witness' City, State of residence

(2) David Rothschild
Signature of Witness

4/19/12
Date

David Rothschild
Print Witness Name

New York City, New York
Witness' City, State of residence

IN TESTIMONY WHEREOF, I Miroslav Dudik have executed this document on the date indicated below.

Miroslav Dudik
Signature of Inventor
4/23/2012
Date

BROOKLYN, NY
Inventor's City, State of residence

Witnessed by:

(1) James Sharpnack
Signature of Witness
4/23/2012
Date

James Sharpnack
Print Witness Name

Pittsburgh, PA
Witness' City, State of residence

(2) Sivaraman Balakrishnan
Signature of Witness

4/23/2012
Date

SIVARAMAN BALAKRISHNAN
Print Witness Name

PITTSBURGH, PA
Witness' City, State of residence

IN TESTIMONY WHEREOF, I Alekh Agarwal have executed this document on the date indicated below.

Signature of Inventor

Date

Inventor's City, State of residence

Witnessed by:

(1) _____
Signature of Witness

Date

Print Witness Name

Witness' City, State of residence

(2) _____
Signature of Witness

Date

Print Witness Name

Witness' City, State of residence

IN TESTIMONY WHEREOF, I Miroslav Dudik have executed this document on the date indicated below.

Signature of Inventor

Date

Inventor's City, State of residence

Witnessed by:

(1)

Signature of Witness

Date

Print Witness Name

Witness' City, State of residence

(2)

Signature of Witness

Date

Print Witness Name

Witness' City, State of residence

IN TESTIMONY WHEREOF, I Alekh Agarwal have executed this document on the date indicated below.

Signature of Inventor

Date

Inventor's City, State of residence

Witnessed by:

(1)

Signature of Witness

Date

Print Witness Name

Witness' City, State of residence

(2) Signature of Witness

Date

Print Witness Name

Witness' City, State of residence