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Attorney Docket No. YHOO.P0033				
Conveying Party (ies) □ Mark if additional Name (1 st party) Guan, Wei Name (2 nd party) Chung, Christina Yip	names of conveying parties attached	Execution Date MMDDYYYY 01/23/2007 01/30/2007		
Name (3 rd party) Lin, Long-Ji Name (4 th party)		01/26/2007		
Receiving Party Mark if additional	al names of receiving parties attached			
Name Yahoo! Inc. Name A Delaware Corporation 701 First Avenue Address Address Address City State/Coun	try Zip Code	☐ If document to be recorded is an assignment and the receiving party is not domiciled in the U.S., an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)		
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Form PTO-1619B	RECORDATION FORM COVER SHEET	U.S. Department of Commerce
(Modified)	Page 2	Patent and Trademark Office PATENT
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	P.O. Box 51860	
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	iled together with a new Patent Application, enter the date the patent the first named executing inventor. MMDDYYYY	*
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Statement and or	gnature owledge and belief, the foregoing information is true and considered and belief, the foregoing information is true and considered, in the foregoing in the following and belief, the foregoing in the fore	rect and any attached copy is
To the best of my kn	owledge and belief, the foregoing information is true and cor iginal document. Charges to deposit account are authorized,	as mulcated not see
a true copy of the or	W/./_	February 1, 2007
Gregory Suh	Signature	Date
Name of Person Sign	ing	

PATENT REEL: 018872 FRAME: 0453 Assignment of Collaborative-Filtering Contextual Model Based on Explicit and Implicit Ratings for Recommending Items by Wei Guan, Christina Yip Chung, and Long-Ji Lin to Yahoo! Inc.

YHOO,P0033/ Y01799US00

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:

COLLABORATIVE-FILTERING CONTEXTUAL MODEL BASED ON EXPLICIT AND IMPLICIT RATINGS FOR RECOMMENDING ITEMS

for which I have executed a U.S. patent application on even date herewith.

which bears U.S. application serial No.11/601.449, filed 11/17/2006.

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 treatics), 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, recxamination 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

Assignment of Collaborative-Filtering Contextual Model Based on Explicit and Implicit Ratings for Recommending Items by Wei Guan, Christina Yip Chung, and Long-Ji. Lin to Yahoo! Inc.

YHOO,P0033/ Y01799US00

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 Wei Guan have executed this document on the date indicated

Signature of Inventor

Atlanta, GA
Inventor's City, State of residence

Witnessed by:

(1) Short (con) t G. Navathe
Print Witness Name

(2) Why Signature of Witness

Ling Liu

Miness City, State of residence

Atlanta, GA
Witness' City, State of residence

Atlanta, GA
Witness' City, State of residence

Atlanta, GA
Witness' City, State of residence

Assignment of Collaborative-Filtering Contextual Model Based on Explicit and Implicit Ratings for Recommending Items by Wei Guan, Christina Yip Chung, and Long-Ji. Lin to Yahoo! Inc.

YHOO.P0033/ Y01799US00

IN TESTIMONY WHEREOF, I Christina Yip Ch	ung have executed this document on the date
indicated below.	
	01/5-/87
Signature of Inventor	Date
Mountain View, CA	
Inventor's City, State of residence	
Witnessed by:	
on Madan	01/20/07
(1) Region (1) Signature of Witness	Date 0 / 3 0 / 0 /
Jing thou Hug Print Wilness Name	Compt was a CA
Print Winess Name	Witness' City, State of residence
st.	
(2) Signature of Witness	_01/30/2007
Signature of Witness	Date Survivale, CA Witness' City-State of residence
Harriprasad Bommaganti Print Witness Name	_ Sunnyvale, CA
Print Witness Name	Witness' City-State of residence
IN TESTIMONY WHEREOF, I <u>Long-Ji Lin</u> havo	e executed this document on the date indicated
below. Grand Gran	01/56/2007
Grand Ja	01/26/2007
Signature of Inversor	Parc
San Jose, CA	
Inventor's City, State of residence	
Witnessed by:	(() (()
(1) Jihn Zhan	Date Burlingame, CA 94-010 #309 Date Oak Grove Ave Witness' City, State of residence
Signature of Witness	Date Burlingame, CA 94-010
Yihui Zhan	#309 1222 Cake Grove AVE
Print Witness Name	Witness' City, State of residence
a gan has	1/26/2007
(2) // V V V Signature of Witness	Date CALLERY OF SALVES NOT SECOND CO.
EDWARD JAY RREPS	SOT PRECITA AND SANFRANCISCO, C.
Print Witness Name	Witness' City, State

Page 3 of 3