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PATENTS ONLY

App Ref/Docket No.: 2043.631US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Wenyan Hu, Xiaodi Zhang, Alvaro Bolivar and Randall  
Scott Shoup

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ OtherExecution Date: May 21, 2009, June 1, 2009, May 12,  
2009, May 12, 2009

## 2. Name and address of receiving party(ies):

Name: eBay Inc.Street Address: 2145 Hamilton AvenueCity: San Jose State: CA Zip: 95125Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 12/416,049, filed March 31, 2009

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Bradley W. Scheer

Address:

Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402-09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account  
19-07438. Please charge any additional fees or credit any over  
payments to our Deposit Account No.: 19-0743

## DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy  
of the original document.Bradley W. Scheer/Reg. No. 47,059

Name of Person Signing

Signature

October 14, 2009

Date

Total number of pages including cover sheet: 7

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services  
P.O. Box 1450  
Alexandria, VA 22313-1450

PATENT

REEL: 023369 FRAME: 0827

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### ASSIGNMENT

WHEREAS, We, Wenyan Hu, residing at Rm 101, No. 7, Lane 103-20, Da Mu Qiao Rd., Shanghai 200032, China, and Xiaodi Zhang, residing at 2145 Hamilton Avenue, San Jose, CA 95125, and Alvaro Bolivar, residing at 635A Pennsylvania Ave, San Francisco, CA 94107, and Randall Scott Shoup, residing at 533 Liberty Street, San Francisco, CA 94114, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 31, 2009, which application was assigned U.S. patent application serial number 12/416,049, and is entitled RANKING ALGORITHM FOR SEARCH BOX AUTO-COMPLETE;

AND WHEREAS, eBay Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2145 Hamilton Avenue, San Jose, CA 95125 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

Docket No: 2043,631US1  
Client Ref. No. P787US1  
Serial Number: 12/416,049  
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AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Docket No: 2043.631US1  
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Serial Number: 12/416,049  
Filing Date: March 31, 2009  
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 21<sup>st</sup> day of

May, 2009.

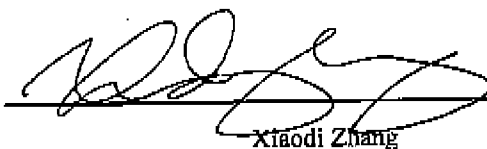
胡文彦

Wenyan Hu

DocId: No. 2043.631US1  
Client Ref. No. P787US1  
Serial Number: 12/416,049  
Filing Date: March 31, 2009  
Title: RANKING ALGORITHM FOR SEARCH BOX AUTO-COMPLETE  
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of

June, 2009.

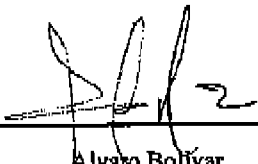


Xiaodi Zhang

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of

May, 2009.



Alvaro Bolivar

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Docket No: 2043.611US1

Client Ref. No. P787US1

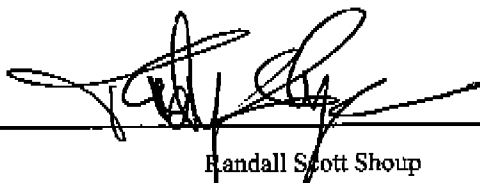
Serial Number: 12/416,049

Filing Date: March 31, 2009

Title: RANKING ALGORITHM FOR SEARCH BOX AUTO-COMplete

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 12<sup>TH</sup> day ofMAY, 2009.

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Randall Scott Shoup