

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4434740

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASHITA ACHUTHAN	01/18/2014
PADEN BARBER	02/18/2014
JONATHAN DAVID CHARD	01/23/2014
PATRICK FOSS	02/13/2014
JEAN-CHARLES GABAIX-HIALÉ	01/23/2014
KRYSTAL ROSE HIGGINS	01/23/2014
MARGARET MACDONALD	01/30/2014
MARK EPPOLITO	01/30/2014
MATTHEW BRET MACLAURIN	02/13/2014
MICAELA MERCE	01/30/2014
TYLER YONG NUGENT	01/27/2014
RYAN REEVES	01/16/2014
BRADLEY ROBERTS	01/16/2014
JAMES TENNISWOOD	01/16/2014
LADD VAN TOL	01/16/2014

RECEIVING PARTY DATA

Name:	EBAY INC.
Street Address:	2184 HAMILTON AVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95125

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15607795

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: 2043.D19US2

NAME OF SUBMITTER: CAROL WHITE

SIGNATURE: /Carol White/

DATE SIGNED: 05/30/2017

Total Attachments: 17

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ASSIGNMENT

WHEREAS, Ashita Achuthan, Paden Barber, Jonathan David Chard, Patrick Foss, Jean-Charles Gabaix-Hialé, Krystal Rose Higgins, Margaret MacDonald, Mark Eppolito, Matthew Bret MacLaurin, Mica Merce, Tyler Yong Nugent, Ryan Reeves, Bradley Roberts, James Tenniswood and Ladd Van Tol (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on December 23, 2013, which application was assigned US patent application serial number 14/139,580, and which is titled METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION; which are described in a patent application filed on May 29, 2013, which application was assigned US application serial number 61/828,269, and which is titled METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to eBay Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 2145 Hamilton Avenue, San Jose, CA 95125, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 49845 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature):

/  /

Name: Ashita Achuthan

City/State: Cupertino, CA

Date:

Jan 18, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1
Client Ref. No. P1929US1

Assignor:

(Signature): / *Paden Barber* /

Name: Paden Barber

City/State: Palo Alto, CA

Date: Feb 18, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature): / Jonathan David Chard /

Name: Jonathan David Chard

City/State: Portland, OR

Date: Jan 23, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature):

/  /

Name: Patrick Foss

City/State: Portland, OR

Date:

Feb 13, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature):

Jean-Charles Gabaix-Hialé

Name: Jean-Charles Gabaix-Hialé

City/State: Palo Alto, CA

Date:

Jan 23, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature):

 /

Name: Krystal Rose Higgins

City/State: Campbell, CA

Date:

Jan 23, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature): / Margaret MacDonald /

Name: Margaret MacDonald

City/State: Portland, OR

Date: Jan 30, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature): / Mark Eppolito /

Name: Mark Eppolito

City/State: Portland, OR

Date: Jan 30, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature): / Matthew Bret MacLaurin/

Name: Matthew Bret MacLaurin

City/State: Santa Cruz, CA

Date: Feb 13, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature): / Micaela Merce /

Name: Mica Merce

City/State: San Jose, CA

Date: Jan 30, 2014

Assignment

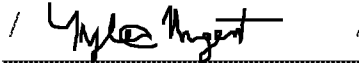
Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1
Client Ref. No. P1929US1

Assignor:

(Signature): /  /

Name: Tyler Yong Nugent

City/State: Portland, OR

Date: Jan 27, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature):

/ Ryan Reeves /

Name: Ryan Reeves

City/State: Beaverton, OR

Date:

Jan 16, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature): / *Bradley Roberts* /

Name: Bradley Roberts

City/State: Dublin, CA

Date: Jan 16, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1

Client Ref. No. P1929US1

Assignor:

(Signature): / James Tenniswood /

Name: James Tenniswood

City/State: Eltham, London

Date: Jan 16, 2014

Assignment

Assignors: Ashita Achuthan et al.

Title: METHODS AND SYSTEMS TO REFINE SEARCH INFORMATION

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Docket No: 2043.D19US1
Client Ref. No. P1929US1

Assignor:

(Signature): / Ladd Van Tol /

Name: Ladd Van Tol

City/State: Portland, OR

Date: Jan 16, 2014