### 504210248 02/02/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4256925

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHAEL CHAN	11/22/2016
NIKHIL FIRKE	11/21/2016
TODD RYAN PALMER	11/21/2016
BRIAN PETER DICKSON	11/21/2016
JULIEN SORIANO	11/17/2016
RALPH FORSYTHE	11/30/2016

#### **RECEIVING PARTY DATA**

Name:	EBAY INC.
Street Address:	2145 HAMILTON AVENUE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95125

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15410139

#### **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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Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

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ATTORNEY DOCKET NUMBER:	2043.K62US1
NAME OF SUBMITTER:	MEGAN L. REED
SIGNATURE:	/Megan L. Reed/
DATE SIGNED:	02/02/2017

**Total Attachments: 9** 

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# RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2043.K62US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: eBay Inc. Michael Chan, Nikhil Firke, Todd Ryan Palmer, Brian Street Address: 2145 Hamilton Avenue Peter Dickson, Julien Soriano, Ralph Forsythe Additional name(s) of conveying party(ies) attached? City: San Jose State: CA Zip: <u>95125</u> Country: United States of America [ ]Yes [X]No Additional name(s) & address(es) attached? [ ]Yes [X]No 3. Nature of conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: November 22, 2016, November 21, 2016, November 21, 2016, November 21, 2016, November 17, 2016, November 30, 2016 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: B. Patent No.(s) A. Patent Application No.(s) Serial No. 15/410,139 Additional numbers attached? [ ]Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence 7. Total fee (37 CFR 3.41):\$ 0.00 concerning document should be mailed: Name: Christopher J. Brittain []Enclosed []Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 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. /Christopher J. Brittain/ 2-1-2017 Christopher J. Brittain/Reg. No. 67,497 Name of Person Signing Signature Date Total number of pages including cover sheet: 9 Mail documents to be recorded with required cover sheet information to: **Commissioner of Patents and Trademarks** 

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P.O. Box 1450

Alexandria, VA 22313-1450

#### **ASSIGNMENT**

WHEREAS, N	lichael Chan, Nikhil Firke, Todd Ryan Palmer, Brian Peter Dickson, Julien Soriano and
Ralph Forsythe (here	inafter 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	, which application was assigned US patent application serial
number	, and which is titled CRYPTOGRAPHY BASED FRAUD TRACKING.

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;

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;

AssignmentDocket No: 2043.K62US1Assignors: Michael Chan et al.Client Ref. No. D2016.0127, P3289US1

Title: CRYPTOGRAPHY BASED FRAUD TRACKING

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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:

Assignors: Michael Chan et al.
Title: CRYPTOGRAPHY BASED FRAUD TRACKING

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Assignor:

Chan, Michael (Signature):

Name: Michael Chan City/State: Cupertino, CA

Date: 11/22/2016

Assignors: Michael Chan et al.
Title: CRYPTOGRAPHY BASED FRAUD TRACKING

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Assignor:

Firke, Mkhil (Signature):

Name: Nikhil Firke

City/State: San Ramon, CA

Date:

11/21/2016

Assignors: Michael Chan et al.
Title: CRYPTOGRAPHY BASED FRAUD TRACKING

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Docket No: 2043.K62US1 Client Ref. No. D2016.0127, P3289US1

Assignor:

1 Palmer, todd Kyan (Signature):

Name: Todd Ryan Palmer

City/State: Livermore, CA

Date: 11/21/2016

Assignors: Michael Chan et al.

Title: CRYPTOGRAPHY BASED FRAUD TRACKING

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Docket No: 2043.K62US1 Client Ref. No. D2016.0127, P3289US1

Assignor:

(Signature): / Dickson, Brian Peter

/

Name: Brian Peter Dickson

City/State: San Jose, CA

Date: 11/21/2016

Assignors: Michael Chan et al.
Title: CRYPTOGRAPHY BASED FRAUD TRACKING

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Docket No: 2043.K62US1 Client Ref. No. D2016.0127, P3289US1

Assignor:

Julier Soriano (Signature):

Name: Julien Soriano City/State: Los Gatos, CA

Date:

1/17/2017

Assignors: Michael Chan et al.

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Docket No: 2043.K62US1 Client Ref. No. D2016.0127, P3289US1

Assignor:

(Signature): / Kalple Forsythe

/

Name: Ralph Forsythe

City/State:

Date: 11/30/2016

PATENT REEL: 041160 FRAME: 0379

**RECORDED: 02/02/2017**