504872107 04/17/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4918847

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YURI FINKELSTEIN	07/10/2017
BIRZHAN AMIROV	04/16/2018
LEONID LOKSHIN	07/08/2017
HARIHARA KADAYAM	07/06/2017

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:	15638952

CORRESPONDENCE DATA

Fax Number:

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.

Email: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

ATTORNEY DOCKET NUMBER:	2043.K34US1
NAME OF SUBMITTER:	TYLYN MOORE
SIGNATURE:	/tylyn moore/
DATE SIGNED:	04/17/2018

Total Attachments: 7

source=2043K34US1_ASSN#page1.tif source=2043K34US1_ASSN#page2.tif source=2043K34US1_ASSN#page3.tif source=2043K34US1_ASSN#page4.tif

PATENT 504872107 REEL: 045560 FRAME: 0799

source=2043K34US1_ASSN#page5.tif source=2043K34US1_ASSN#page6.tif source=2043K34US1_ASSN#page7.tif

> PATENT REEL: 045560 FRAME: 0800

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2043.K34US1 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. Yuri Finkelstein, Birzhan Amirov, Leonid Lokshin, Street Address: 2145 Hamilton Avenue Harihara Kadayam Additional name(s) of conveying party(ies) attached? City: San Jose State: California 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: [] Merger [X] Assignment [] Security Agreement [] Change of Name [] Other Execution Date: <u>July 10, 2017</u>, <u>April 16, 2018</u>, <u>July 8, 2017</u>, <u>July 6, 2017</u> 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. 15/638,952 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Anup A. Suresh [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, Minnesota 55402--0938 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. /Anup Suresh/ 4-17-18 Anup A. Suresh/Reg. No. 65,338 Name of Person Signing Date Signature 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: 045560 FRAME: 0801

ASSIGNMENT

WHEREAS, Yuri Finkelstein, Birzhan Amirov, Leonid Lokshin and Harihara Kadayam (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); and described in the patent application filed on June 30, 2017, assigned US application serial number 15/638,952, and titled DISTRIBUTED STORAGE OF METADATA FOR LARGE BINARY DATA and as described in a provisional patent application filed on July 1, 2016 assigned United States application serial number 62/357,817, and titled DISTRIBUTED STORAGE OF METADATA FOR LARGE BINARY DATA.

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

PATENT REEL: 045560 FRAME: 0802

Assignors: Yuri Finkelstein et al.

Title: DISTRIBUTED STORAGE OF METADATA FOR LARGE BINARY DATA

Page 2 of 6

Docket No: 2043.K34US1 Client Ref. No. P3254US1

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:

Page 3 of 6

Assignors: Yuri Finkelstein et al.
Title: DISTRIBUTED STORAGE OF METADATA FOR LARGE BINARY DATA

Assignor:

Finkelstein, Yuri (Signature):

> Name: Yuri Finkelstein City/State: San Carlos, CA

7/10/2017 Date:

> **PATENT REEL: 045560 FRAME: 0804**

Docket No: 2043,K34US1

Client Ref. No. P3254US1

Assignors: Yuri Finkelstein et al.
Title: DISTRIBUTED STORAGE OF METADATA FOR LARGE BINARY DATA

Page 4 of 6

Assignor:

(Signature):

Name: Birzhan Amirov City/State: San Jose, CA

4/16/2018 Date:

> **PATENT REEL: 045560 FRAME: 0805**

Docket No: 2043.K34US1

Client Ref. No. P3254US1

/

Assignors: Yuri Finkelstein et al.

Title: DISTRIBUTED STORAGE OF METADATA FOR LARGE BINARY DATA

Page 5 of 6

Assignor:

(Signature): /

Leonid Lohrhin

Name: Leonid Lokshin
City/State: San Carlos, CA

Date: 7/8/2017

PATENT REEL: 045560 FRAME: 0806

Docket No: 2043,K34US1

Client Ref. No. P3254US1

Assignors: Yuri Finkelstein et al.

Title: DISTRIBUTED STORAGE OF METADATA FOR LARGE BINARY DATA

Page 6 of 6

Client Ref. No. P3254US1

Docket No: 2043.K34US1

Assignor:

(Signature): / Harilara kadayam

Name: Harihara Kadayam

City/State: Fremont, CA

Date: 7/6/2017

PATENT REEL: 045560 FRAME: 0807

RECORDED: 04/17/2018