506190896 08/06/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NARAYANAN SESHADRI	11/02/2017
GYANIT SINGH	11/07/2017
JUSTIN NICHOLAS HOUSE	11/02/2017
NISH PARIKH	11/02/2017
DAVID GOLDBERG	11/02/2017
DANIEL FAIN	03/06/2018
HUAI-TER CHONG	11/08/2017
STEPHEN NEOLA	11/02/2017
JONAS OSCAR KLINK	05/10/2018

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:	16986499

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: IP-P3226US2 NAME OF SUBMITTER: PATRICK J. WALSH

PATENT REEL: 053418 FRAME: 0374 506190896

SIGNATURE:	/Patrick J. Walsh/	
DATE SIGNED:	08/06/2020	
Total Attachments: 11		
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PATENT REEL: 053418 FRAME: 0375

ASSIGNMENT

WHEREAS, Narayanan Seshadri, Gyanit Singh, Justin Nicholas House, Nish Parikh, David Goldberg, Daniel Fain, Huai-ter Chong, Stephen Neola and Jonas Oscar Klink (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on May 3, 2017, assigned US application serial number 15/585,986, and titled DATABASE SEARCH OPTIMIZER AND THEMED FILTERS and as described in a provisional patent application filed on May 4, 2016 assigned United States application serial number 62/331,726, and titled DATABASE SEARCH OPTIMIZER AND THEMED FILTERS.

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, California 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: 0**5**6**42**9 FRAME: 0**3**0**6**

Assignors: Narayanan Seshadri et al.

Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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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:

PATENT REEL: 056429 FRAME: 0303

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Assignor:

(Signature):

Name: Narayanan Seshadri City/State: San Jose, CA

11/2/2017 Date:

> **PATENT** REEL: 056029 FRAME: 0306

Docket No: 2043.K10US1

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Docket No: 2043.K10US1

Client Ref. No. IP-P3226US1

Assignor:

/ Gyanit Single (Signature):

Name: Gyanit Singh City/State: Fremont, CA

Date: 11/7/2017

PATENT REEL: 056429 FRAME: 0309

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Assignor:

Justin Mcholas House (Signature):

Name: Justin Nicholas House

City/State: San Jose, CA

Date: 11/2/2017

PATENT REEL: 056029 FRAME: 0366

Docket No: 2043.K10US1

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Docket No: 2043.K10US1

Assignor:

1 Msh Parikh (Signature):

Name: Nish Parikh City/State: Fremont, CA

11/2/2017 Date:

> **PATENT** REEL: 056029 FRAME: 0369

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Docket No: 2043.K10US1 Client Ref. No. IP-P3226US1

Assignor:

1 David Goldberg (Signature):

> Name: David Goldberg City/State: Palo Alto, CA

Date: 11/2/2017

PATENT REEL: 056029 FRAME: 0380

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS
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Assignor:

(Signature):

1 Dan Fain

Name: Daniel Fain City/State: Saratoga, CA

3/6/2018 Date:

> **PATENT** REEL: 056029 FRAME: 0383

Docket No: 2043.K10US1

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Assignor:

1 Huai-ter Chong (Signature):

> Name: Huai-ter Chong City/State: Saratoga, CA

11/8/2017 Date:

> **PATENT** REEL: 056029 FRAME: 0382

Docket No: 2043.K10US1

Assignors: Narayanan Seshadri et al.
Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Docket No: 2043.K10US1 Client Ref. No. IP-P3226US1

Assignor:

1 Stephen Mola (Signature):

Name: Stephen Neola City/State: Jersey City, NJ

11/2/2017 Date:

> **PATENT** REEL: 056029 FRAME: 0385

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AssignmentAssignors: Narayanan Seshadri et al.

Title: DATABASE SEARCH OPTIMIZER AND THEMED FILTERS

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Assignor:

(Signature):

Name: Jonas Oscar Klink
City/State: White Plains, NY

Date: 5/10/2018 3:28:20 AM PDT

PATENT REEL: 0**5**6**42**9 FRAME: 0**385**

Docket No: 2043.K10US1

Client Ref. No. IP-P3226US1

RECORDED: 06/06/2028