

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5217844

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EBAY INC.	07/17/2015
RECEIVING PARTY DATA	
Name:	PAYPAL, INC.
Street Address:	2211 NORTH FIRST STREET
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95131
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16174985
CORRESPONDENCE DATA	
Fax Number:	(949)202-3001
<i>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.</i>	
Phone:	(949)202-3075
Email:	rachel.kim@haynesboone.com
Correspondent Name:	HAYNES AND BOONE, LLP
Address Line 1:	2323 VICTORY AVENUE, SUITE 700
Address Line 4:	DALLAS, TEXAS 75219
ATTORNEY DOCKET NUMBER:	70481.648US03
NAME OF SUBMITTER:	LIYAN ZHU
SIGNATURE:	/Liyian Zhu/
DATE SIGNED:	11/01/2018
Total Attachments: 9	
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EXHIBIT A
FORM OF RECORDABLE PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, eBay Inc., a Delaware corporation ("Assignor") hereby irrevocably assigns, transfers, conveys and delivers to PayPal, Inc., a Delaware corporation ("Assignee") all of Assignor's right, title and interest in and to the following: (a) the patents and patent applications listed in Exhibit A hereto, all patents that issue from such patent applications, and any counterparts, divisional, substitution, continuation, continuation-in-part, reissue, reexamination, extension, renewal or registrations of such patents, and any and all foreign counterparts thereof (including but not limited to all inventors certificates, utility models, invention registrations, or any other industrial property rights however denominated, as well as any foreign or U.S. intellectual property rights which claim priority to or claim priority from any of the foregoing) (collectively, the "Patents"); (b) all rights, privileges and protections of any kind whatsoever of Assignor accruing under any of the Patents provided under the applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world, including, but not limited to, the right to file foreign patent applications; (c) all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; (d) any and all claims and causes of action, with respect to any of the Patents, whether accruing before, on or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement with the right but not the obligation to petition or sue for, or otherwise seek, such legal and equitable relief and to collect, or otherwise recover, any such damages; and (e) the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit, and for the benefit of its successors, assigns, and legal representatives.

(The remainder of this page is intentionally left blank. The signature pages follow.)

IN WITNESS WHEREOF, Assignor caused this Patent Assignment to be duly executed on its behalf.

ASSIGNOR:

eBay Inc.

By: [Signature]

Its: S.V.P., GENERAL COUNSEL

Date: JULY 17, 2015

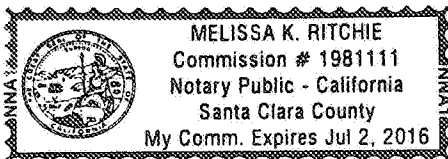
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA) ss.

COUNTY OF SANTA CLARA)

Before me, the undersigned authority, on this 17th day of July, 2015, personally appeared Michael Jacobson known to me as the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed, in the capacity state, and with authority to act in this assignment on behalf of the Assignor.

Notary Public



[Signature]
(Signature of Notary)

Melissa K Ritchie
(Legibly Print or Stamp Name of Notary)

ACCEPTED BY:

ASSIGNEE:

PayPal, Inc

By: [Signature]

Its: VP, Deputy General Counsel & Asst. Sec'y

Date: July 17 2015

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA) ss.
COUNTY OF SANTA CLARA)

Before me, the undersigned authority, on this _____ day of _____, 201__, personally appeared _____ known to me as the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed, in the capacity state, and with authority to act in this assignment on behalf of the Assignee.

SEE ATTACHED FORM

Notary Public

(Signature of Notary)

(Legibly Print or Stamp Name of Notary)

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

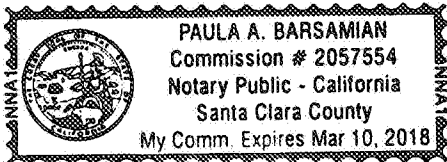
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Santa Clara)
On July 17, 2015 before me, Paula A. Barsamian, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Russell Elmer
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Paula A. Barsamian
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Document Date:
Number of Pages: Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:
Corporate Officer -- Title(s):
Partner -- Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer Is Representing:

Signer's Name:
Corporate Officer -- Title(s):
Partner -- Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer Is Representing:

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
13843636	GEOTAGGED IMAGE FOR CHECKING VALIDITY OF PURCHASE TRANSACTION	Pending	Mar 15, 2013		
13846521	METHOD FOR IMPLEMENTING A VIRTUAL COMMUNITY OF INVESTORS HAVING INVESTMENT PORTFOLIOS	Pending	Mar 18, 2013		
13852207	MOBILE CHECK BOOK	Pending	Mar 28, 2013		
13852911	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR PURCHASING TRANSPORTATION TICKETS	Pending	Mar 28, 2013		
13852920	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS PROVIDING PAYMENT WITH NON-TRADITIONAL SOURCES OF VALUE	Pending	Mar 28, 2013		
13852980	PREAUTHORIZE BUYERS TO COMMIT TO A GROUP PURCHASE	Pending	Mar 28, 2013		
13852984	SELLER URL MONITORING SYSTEMS AND METHODS	Pending	Mar 28, 2013		
13853455	ROUTINE SUGGESTION SYSTEM	Pending	Mar 29, 2013		
13853463	CROSS PLATFORM APPLICATION TRANSACTIONS	Pending	Mar 29, 2013		
13853891	FACILITATED DISPUTE PROCESSING BY UTILIZING AN E-RECEIPT	Pending	Mar 29, 2013		
13854667	METHOD AND SYSTEM FOR MANAGING RESOURCE CONNECTIONS	Issued	Apr 1, 2013	8732719	May 20, 2014
13854801	SYSTEM AND METHODS TO CONFIGURE A PROFILE TO RANK SEARCH RESULTS	Pending	Apr 1, 2013		
13854878	EXPANDING BUTTON	Pending	Apr 1, 2013		
13859434	METHOD AND SYSTEM FOR ENGAGING IN A TRANSACTION BETWEEN A CONSUMER AND A MERCHANT	Pending	Apr 9, 2013		
13860395	CENTRALIZED TRANSACTION RECORD STORAGE	Pending	Apr 10, 2013		
13861327	METHOD AND APPARATUS FOR AUTHORIZING A PAYMENT VIA A REMOTE DEVICE	Pending	Apr 11, 2013		
13863039	ADVANCED PAYMENT MANAGEMENT SYSTEM	Pending	Apr 15, 2013		
13863273	A METHOD AND APPARATUS FOR DATA RECIPIENT STORAGE AND RETRIEVAL OF DATA USING A NETWORK COMMUNICATION DEVICE	Allowed	Apr 15, 2013		
13865004	CURRENCY WEIGHTED CROSS BORDER LISTING EXPOSURE	Allowed	Apr 17, 2013		

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
13867630	SECURE EXPANDABLE ADVERTISEMENTS USING AN API AND CROSS-DOMAIN COMMUNICATIONS	Pending	Apr 22, 2013		
13868883	COMMERCE ORIENTED UNIFORM RESOURCE LOCATER (URL) SHORTENER	Pending	Apr 23, 2013		
13871408	SYSTEM AND METHOD TO PROMOTE A PUBLICATION	Pending	Apr 26, 2013		
13871580	VISUAL 3D INTERACTIVE INTERFACE	Pending	Apr 26, 2013		
13872835	SAVE TO OPEN WALLET	Pending	Apr 29, 2013		
13874304	SYSTEM AND METHOD OF IMPROVING SPEECH RECOGNITION USING CONTEXT	Pending	Apr 30, 2013		
13896748	SYSTEMS AND METHODS FOR RESPONSIVE WEB PAGE DELIVERY BASED ON NETWORK BANDWIDTH	Pending	May 17, 2013		
13899333	MULTI-PAYER PAYMENT SYSTEM	Pending	May 21, 2013		
13904910	DELEGATION PAYMENT WITH PICTURE	Pending	May 29, 2013		
13906996	PAYMENT PREFERENCE USER INTERFACE	Pending	May 31, 2013		
13909840	TRANSACTIONS VIA A USER DEVICE IN THE PROXIMITY OF A SELLER	Pending	Jun 4, 2013		
13909897	REMITTANCE SUBSCRIPTION	Pending	Jun 4, 2013		
13910872	UNIFIED IDENTITY VERIFICATION	Pending	Jun 5, 2013		
13910926	SYSTEMS AND METHODS FOR REDUCING FRAUDULENT ACTIVITY IN TRANSACTION DISPUTE RESOLUTION	Pending	Jun 5, 2013		
13913768	SYSTEMS AND METHODS FOR GENERATING LOCATION-BASED GROUP RECOMMENDATIONS	Pending	Jun 10, 2013		
13914154	VIDEO MAIL THROUGH PEER TO PEER NETWORK	Pending	Jun 10, 2013		
13914913	FOCUS-BASED CHALLENGE-RESPONSE AUTHENTICATION	Issued	Jun 11, 2013	8893229	Nov 18, 2014
13917187	PAYMENT RECIPIENT VERIFICATION	Pending	Jun 13, 2013		
13918631	SIGNED RESPONSE TO AN ABUSIVE EMAIL ACCOUNT OWNER AND PROVIDER SYSTEMS AND METHODS	Pending	Jun 14, 2013		
13920985	MERCHANT CONTROLLED POINT OF SALE	Pending	Jun 18, 2013		
13924029	METHOD AND SYSTEM FOR A TRANSPARENT APPLICATION OF MULTIPLE QUERIES ACROSS MULTIPLE DATA SOURCES	Issued	Jun 21, 2013	8898147	Nov 25, 2014
13924066	METHOD AND SYSTEM TO AUTOMATICALLY GENERATE SOFTWARE CODE	Issued	Jun 21, 2013	8954439	Feb 10, 2015

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
13925732	ROLE-BASED ATTRIBUTE BASED ACCESS CONTROL (RABAC)	Issued	Jun 24, 2013	9027091	May 5, 2015
13926731	AUTOMATED OPTIMIZATION OF AN ADVERTISEMENT PLACEMENT ENGINE	Pending	Jun 25, 2013		
13926896	TRANSACTION APPROVAL FOR SHARED PAYMENT ACCOUNT	Pending	Jun 25, 2013		
13928215	DETECTING HORIZONTAL ATTACKS	Pending	Jun 26, 2013		
13928246	ALTERNATIVE PAYMENT METHOD FOR ONLINE TRANSACTIONS USING INTERACTIVE VOICE RESPONSE	Issued	Jun 26, 2013	8775312	Jul 8, 2014
13928753	EXECUTION AND DISPLAY OF EVENTS IN A PLURALITY OF WEB BROWSERS AND DEVICES SYSTEMS AND METHOD	Pending	Jun 27, 2013		
13928932	PRODUCT SEARCH USING USER SELECTIONS IN IMAGES SYSTEMS AND METHODS	Pending	Jun 27, 2013		
13929458	CONDUCTIVE PAYMENT DEVICE	Pending	Jun 27, 2013		
13929655	SYSTEMS AND METHODS FOR IMPLEMENTING MONEY ORDERS	Pending	Jun 27, 2013		
13930444	USER SPECIFIC PURCHASING GUIDE SYSTEMS AND METHODS	Pending	Jun 28, 2013		
13930481	IN-STORE CARD ACTIVATION	Pending	Jun 28, 2013		
13930548	LOCAL CONTEXTUAL DISPLAY	Pending	Jun 28, 2013		
13930588	SELECTIVE BANNER AD DISPLAY	Pending	Jun 28, 2013		
13930728	DATA COMMUNICATION USING AUDIO PATTERNS SYSTEMS AND METHODS	Pending	Jun 28, 2013		
13931176	ROUTINE SUGGESTION SYSTEM	Pending	Jun 28, 2013		
13931278	MULTI-IDENTIFIER USER PROFILING SYSTEM	Pending	Jun 28, 2013		
13931344	PURCHASE INCENTIVIZING SYSTEM	Pending	Jun 28, 2013		
13931423	SYSTEM AND METHODS FOR SECURE ENTRY OF A PERSONAL IDENTIFICATION NUMBER (PIN) USING MULTI-TOUCH TRACKPAD TECHNOLOGIES	Pending	Jun 28, 2013		
13931617	DEVICE FINGERPRINTING	Pending	Jun 28, 2013		
13931672	EXPRESS TRANSACTIONS ON A MOBILE DEVICE	Pending	Jun 28, 2013		
13931691	PAYMENT CODES FOR ENHANCED CONSUMER EXPERIENCE	Pending	Jun 28, 2013		
13931702	SYSTEMS AND METHODS FOR GENERATING AND USING A TOKEN FOR USE IN A TRANSACTION	Pending	Jun 28, 2013		
13932707	LOCATION RESTRICTED MESSAGE EXCHANGE SYSTEM	Pending	Jul 1, 2013		

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
13934860	TRANSACTION SPLIT FEES	Pending	Jul 3, 2013		
13938860	DONGLE FACILITATED WIRELESS CONSUMER PAYMENTS	Issued	Jul 10, 2013	8972296	Mar 3, 2015
13939539	SYSTEMS AND METHODS FOR LOCATION-BASED TRANSACTION INFORMATION CAPTURING	Pending	Jul 11, 2013		
13944668	INFORMATION CAPTURING	Pending	Jul 17, 2013		
13945670	AUTOMATED TEST ON APPLICATIONS OR WEBSITES IN MOBILE DEVICES	Pending	Jul 18, 2013		
13945772	REVERSE SHOWROOMING AND MERCHANT-CUSTOMER ENGAGEMENT SYSTEM	Pending	Jul 18, 2013		
13946174	SOCIAL SHARING SYSTEM	Pending	Jul 19, 2013		
13946575	METHODS, SYSTEMS, AND APPARATUS FOR GENERATING SEARCH RESULTS	Pending	Jul 19, 2013		
13946584	REVERSE SHOWROOMING AND MERCHANT-CUSTOMER ENGAGEMENT SYSTEM	Pending	Jul 19, 2013		
13946672	SOCIAL MOBILE GAME FOR RECOMMENDING ITEMS	Pending	Jul 19, 2013		
13946757	PUSH PAYMENT PROCESSOR	Pending	Jul 19, 2013		
13946903	COMPOSITE SEARCH RESULTS	Pending	Jul 19, 2013		
13951322	VISUAL MINING OF USER BEHAVIOR PATTERNS	Pending	Jul 19, 2013		
13952899	ELECTRONIC PAYMENTS TO NON-INTERNET CONNECTED DEVICES	Pending	Jul 25, 2013		
13953391	SYSTEMS AND METHODS FOR CACHING HTTP POST REQUESTS AND RESPONSES	Issued	Jul 29, 2013	8631230	Jan 14, 2014
13955175	DIFFERENTIAL CLIENT-SIDE ENCRYPTION OF INFORMATION ORIGINATING FROM A CLIENT	Issued	Jul 29, 2013	8799159	Aug 5, 2014
13955901	SYSTEMS AND METHODS FOR FACILITATING FINANCIAL TRANSACTIONS OVER A NETWORK	Issued	Jul 29, 2013		
13957830	SYSTEMS AND METHODS FOR CACHING HTTP POST REQUESTS AND RESPONSES	Pending	Jul 31, 2013		
13958459	ONLINE PURCHASING SYSTEM SUPPORTING LENDERS WITH AFFORDABILITY SCREENING	Pending	Jul 31, 2013		
13959531	CONTENT INVERSION FOR USER SEARCHES AND PRODUCT RECOMMENDATIONS SYSTEMS AND METHODS	Pending	Aug 2, 2013		
13959531	SYSTEMS AND METHODS FOR ANONYMOUS COUPON REDEMPTION CARD READER FOR MOBILE DEVICE	Pending	Aug 2, 2013		
13959531	CARD READER FOR MOBILE DEVICE	Issued	Aug 5, 2013	8763900	Jul 1, 2014

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
13959546	SYSTEM AND METHODS FOR UNIT OF MEASUREMENT CONVERSION AND SEARCH QUERY EXPANSION	Pending	Aug 5, 2013		
13959586	MOBILE REMITTANCES/PAYMENTS	Pending	Aug 5, 2013		
13963241	SYSTEMS AND METHODS FOR PROTECTING USERS FROM MALICIOUS CONTENT	Pending	Aug 9, 2013		
13963954	FACILITATING TRANSACTIONS IN CONNECTION WITH SERVICE PROVIDERS	Pending	Aug 9, 2013		
13965017	AUTHORIZING USE OF A FINANCIAL INSTRUMENT	Pending	Aug 12, 2013		
13967739	CREDIT PREAUTHORIZATION ON USER DEVICE DETECTION SYSTEMS AND METHODS	Pending	Aug 15, 2013		
13968131	DETECTING MARKETING OPPORTUNITIES BASED ON SHARED ACCOUNT CHARACTERISTICS SYSTEMS AND METHODS	Pending	Aug 15, 2013		
13968279	SYSTEMS AND METHODS FOR AUTOMATIC PRICE MATCHING	Pending	Aug 15, 2013		
13969345	SYSTEM AND METHOD FOR CREATING, MANAGING, AND REUSING SCHEMA TYPE DEFINITIONS IN SERVICES ORIENTED ARCHITECTURE SERVICES, GROUPED IN THE FORM OF LIBRARIES	Issued	Aug 16, 2013	8856732	Oct 7, 2014
13970110	SHOPPING CONTEXT ENGINE	Issued	Aug 19, 2013	8832060	Sep 9, 2014
13971645	COLORED CARD SCROLLER	Pending	Aug 20, 2013		
13971717	SYSTEMS AND METHODS FOR LOCATION-BASED DEVICE SECURITY	Pending	Aug 20, 2013		
13973617	COORDINATED PURCHASING	Pending	Aug 22, 2013		
13975132	METHODS AND SYSTEMS TO FACILITATE A PURCHASE OF AN ITEM ON A NETWORK-BASED MARKETPLACE	Allowed	Aug 23, 2013		
13975191	FACILITATING PURCHASE FROM VIDEO ADVERTISEMENTS	Pending	Aug 23, 2013		
14011968	METHOD AND SYSTEM TO PRE-FETCH DATA IN A NETWORK	Pending	Aug 28, 2013		

PATENT