

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5233102

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EBAY INC.	07/17/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PAYPAL, INC.
<b>Street Address:</b>	2211 NORTH FIRST STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16181820
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	(949)202-3075
<b>Email:</b>	rachel.kim@haynesboone.com
<b>Correspondent Name:</b>	HAYNES AND BOONE, LLP
<b>Address Line 1:</b>	2323 VICTORY AVENUE, SUITE 700
<b>Address Line 4:</b>	DALLAS, TEXAS 75219
<b>ATTORNEY DOCKET NUMBER:</b>	70481.1486US02
<b>NAME OF SUBMITTER:</b>	DANIEL S. KWOK
<b>SIGNATURE:</b>	/Daniel S. Kwok/
<b>DATE SIGNED:</b>	11/12/2018
<b>Total Attachments: 9</b>	
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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

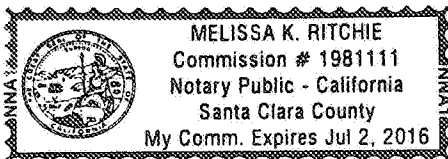
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA ) ss.

COUNTY OF SANTA CLARA )

Before me, the undersigned authority, on this 17<sup>th</sup> 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

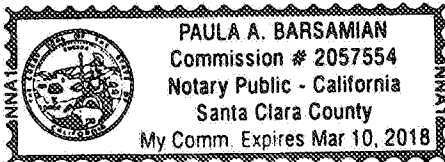
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

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
14516376	NEW SESSION MANAGEMENT IN A MIXED MODE ENVIRONMENT	Pending	Oct 16, 2014		
14516389	WIRELESS BEACON DEVICES PROVIDING CROSSWALK MANAGEMENT THROUGH COMMUNICATION DEVICE CONNECTIONS	Pending	Oct 16, 2014		
14518789	CONCESSION PREORDERING FOR PICKUP OR DELIVERY DURING AN EVENT	Pending	Oct 20, 2014		
14521278	PERFORMANCE IMPROVEMENT OF WEB PAGES BY ON-DEMAND GENERATION OF COMPOSITE IMAGES	Pending	Oct 22, 2014		
14525879	HEALTH ISSUE DETECTION AND TREATMENT SYSTEM	Pending	Oct 28, 2014		
14526420	SECURE SEAMLESS PAYMENTS	Pending	Oct 28, 2014		
14527391	COMMUNICATION APPARATUS WITH IN-CONTEXT MESSAGING	Pending	Oct 29, 2014		
14527458	WEARABLE DEVICE WITH USER AUTHENTICATION INTERFACE	Pending	Oct 29, 2014		
14529604	SECURE ELEMENTS BROKER (SEB) FOR APPLICATION COMMUNICATION CHANNEL SELECTOR OPTIMIZATION	Pending	Oct 31, 2014		
14529692	BIOMETRIC AUTHENTICATION OF MOBILE FINANCIAL TRANSACTIONS BY TRUSTED SERVICE MANAGERS	Pending	Oct 31, 2014		
14529775	SECURE ELEMENTS BROKER (SEB) FOR APPLICATION COMMUNICATION CHANNEL SELECTOR OPTIMIZATION	Pending	Oct 31, 2014		
14529816	BIOMETRIC AUTHENTICATION OF MOBILE FINANCIAL TRANSACTIONS BY TRUSTED SERVICE MANAGERS	Pending	Oct 31, 2014		
14529935	BIOMETRIC AUTHENTICATION OF MOBILE FINANCIAL TRANSACTIONS BY TRUSTED SERVICE MANAGERS	Pending	Oct 31, 2014		
14530329	PASSPORTING CREDENTIALS BETWEEN A MOBILE APP AND A WEB BROWSER	Pending	Oct 31, 2014		
14530458	DYNAMIC LIST CREATION	Pending	Oct 31, 2014		
14530603	DETECTING USER DEVICES TO DETERMINE STATE OF WATCHED SHOW	Pending	Oct 31, 2014		
14531461	Collaborative Geolocation Shopping	Pending	Nov 3, 2014		
14534797	LOCATION-BASED SERVICES	Pending	Nov 6, 2014		

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
14538419	SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR DIGITAL IMAGE CAPTURE	Pending	Nov 11, 2014		
14538553	SYSTEM AND METHOD FOR LOCATION BASED MOBILE COMMERCE	Pending	Nov 11, 2014		
14538586	SYSTEM AND METHOD FOR LOCATION BASED MOBILE COMMERCE SYSTEMS AND METHODS FOR GENERATING SUGGESTIONS AND ENFORCING TRANSACTION RESTRICTIONS	Pending	Nov 14, 2014		
14541593	WIRELESS BEACON DEVICES FOR USE IN MANAGING TRANSPORTATION SERVICE TERMINALS	Pending	Nov 17, 2014		
14543440	SYSTEMS AND METHODS FOR ENCRYPTING INFORMATION DISPLAYED ON A USER INTERFACE OF A DEVICE	Pending	Nov 19, 2014		
14548071	SYSTEM AND METHOD FOR CONTENT INTEGRATED PRODUCT PURCHASING	Pending	Nov 21, 2014		
14550586	METHODS AND SYSTEMS FOR APPLICATION CONTROLLED PRE-FETCH	Pending	Nov 21, 2014		
14550757	DISTRESS IDENTIFIER TO CAUSE AN ACTION	Pending	Nov 24, 2014		
14552425	Digital dye packs	Pending	Nov 24, 2014		
14552440	IMAGE DISPLAY CASTING	Pending	Nov 25, 2014		
14553739	MULTI-DISPLAY VIDEO CONFERENCING	Pending	Nov 25, 2014		
14553784	Line Management based on User Tolerance	Pending	Nov 26, 2014		
14554650	LOCATION DETECTION DEVICES FOR EVENT SCHEDULING	Pending	Nov 26, 2014		
14554885	MODULAR DEVICE PAYMENT SYSTEM	Pending	Nov 26, 2014		
14555144	ADVERTISING CANNIBALIZATION MANAGEMENT	Pending	Nov 26, 2014		
14555268	DYNAMIC CONTENT FOR ONLINE TRANSACTIONS	Pending	Dec 1, 2014		
14556661	INTERACTIVE DISPLAY BASED ON NEAR FIELD COMMUNICATIONS	Pending	Dec 2, 2014		
14557269	SYSTEM AND METHOD FOR TRANSACTION SECURITY ENHANCEMENT	Pending	Dec 2, 2014		
14557499	LOGIN USING QR CODE	Pending	Dec 2, 2014		
14557646	REPORTS OF REPAIRABLE OBJECTS AND EVENTS	Pending	Dec 2, 2014		
14557889	MERCHANT/CUSTOMER POS INTERACTION SYSTEM	Pending	Dec 2, 2014		
14558303					



APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
14558376	MERCHANT/CUSTOMER POS INTERACTION SYSTEM	Pending	Dec 2, 2014		
14558426	DESTINATION DEVICE BILLING ACCORDING TO CALL RECIPIENT	Pending	Dec 2, 2014		
14558428	MERCHANT/CUSTOMER POS INTERACTION SYSTEM	Pending	Dec 2, 2014		
14558514	Line Position Bidding	Pending	Dec 2, 2014		
14558582	ONLINE FRAUD PREVENTION USING GENETIC ALGORITHM SOLUTION	Pending	Dec 2, 2014		
14558656	USER-FRIENDLY TRANSACTION INTERFACE	Pending	Dec 2, 2014		
14559727	COMPARTMENTALIZED SMART REFRIGERATOR WITH AUTOMATED ITEM MANAGEMENT	Pending	Dec 3, 2014		
14559879	MEDICATION MANAGEMENT	Pending	Dec 3, 2014		
14563913	BROWSER EMULATOR SYSTEM	Pending	Dec 8, 2014		
14565292	NOTIFICATION OF POSSIBLE CUSTOMERS	Pending	Dec 9, 2014		
14566479	ANTI-SKIMMING PAYMENT CARD	Pending	Dec 10, 2014		
14569559	WEB CONTENT FILTERING	Pending	Dec 12, 2014		
14573996	DISPLAYING MERCHANDISE WITH AVATARS	Pending	Dec 17, 2014		
14576102	SEPARATED USE MOBILE DEVICES	Pending	Dec 18, 2014		
14577025	APP STORE UPDATE NOTIFICATION AND WARNING SYSTEM	Pending	Dec 19, 2014		
14578062	WIRELESS BEACON DEVICES USED TO TRACK MEDICAL INFORMATION AT A HOSPITAL	Pending	Dec 19, 2014		
14578273	COMMUNICATION DEVICE INTERFACES FOR TRANSACTION APPROVAL AT A MERCHANT LOCATION	Pending	Dec 19, 2014		
14579606	MANAGEMENT OF ALLOCATION OF ONLINE RESOURCES	Pending	Dec 22, 2014		
14580123	ANALYZING DATA OF CROSS BORDER TRANSACTIONS WITHIN A NETWORK TRADING PLATFORM	Pending	Dec 22, 2014		
14581642	ATTRIBUTE-BASED CARD COMBINATIONS FOR DIGITAL WALLETS	Pending	Dec 23, 2014		
14582845	ORDER MODIFICATION	Pending	Dec 24, 2014		
14582876	WEARABLE DEVICE AUTHENTICATIONS	Pending	Dec 24, 2014		
14582919	Low battery and digital wallet	Pending	Dec 24, 2014		
14584047	SELECTIVELY NOTIFYING USERS OF INCOMING MESSAGES ON A SECONDARY ELECTRONIC DEVICE	Pending	Dec 29, 2014		

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
14584263	AUTHENTICATION SCHEMES FOR ACTIVITIES OF ACCOUNTS	Pending	Dec 29, 2014		
14584335	AUTOMATIC ADJUSTMENT OF A DISPLAY TO OBSCURE DATA	Pending	Dec 29, 2014		
14584425	AUTHENTICATING ACTIVITIES OF ACCOUNTS	Pending	Dec 29, 2014		
14584546	AUTHENTICATING REQUESTS TO ACCESS ACCOUNTS BASED ON PRIOR REQUESTS	Pending	Dec 29, 2014		
14584925	USE OF STATISTICAL FLOW DATA FOR MACHINE TRANSLATIONS BETWEEN DIFFERENT LANGUAGES	Pending	Dec 29, 2014		
14585091	SELECTING A COMMUNICATION MODE	Pending	Dec 29, 2014		
14585119	PEER LOCATION DETECTION TO DETERMINE AN IDENTITY OF A USER	Pending	Dec 29, 2014		
14585143	PROPER DISPENSING OF ITEMS THROUGH PROXIMITY DETECTED DEVICES WITH USERS	Pending	Dec 29, 2014		
14585252	MULTI-LENDER SERVICING OF A CREDIT ALLOWANCE	Pending	Dec 30, 2014		
14585282	AUDIBLE PROXIMITY MESSAGING	Pending	Dec 30, 2014		
14585831	EVENT AND LOCATION BASED RECOMMENDATIONS	Pending	Dec 30, 2014		
14585893	EMERGENCY MONITORING OF TAGGED OBJECTS	Pending	Dec 30, 2014		
14586445	AUTOMOTIVE OPTICAL COMMUNICATION SYSTEM	Pending	Dec 30, 2014		
14586541	SMART SHOPPING LIST SYSTEM	Pending	Dec 30, 2014		
14586722	WEB ADDRESS DETERMINATION BASED ON A GEO-POSITION OF A USER	Pending	Dec 30, 2014		
14586783	DETECTION OF USERS AND VEHICLE USAGE FOR VARIABLE INSURANCE TERMS	Pending	Dec 30, 2014		
14586798	VEHICLE USE AND PERFORMANCE RESTRICTIONS BASED ON DETECTED USERS	Pending	Dec 30, 2014		
14586814	SOFTWARE LOAD BALANCER TO MAXIMIZE UTILIZATION	Pending	Dec 30, 2014		
14586862	CROSS BORDER TRANSACTION MACHINE TRANSLATION	Pending	Dec 30, 2014		
14586868	PARKING GUIDANCE AND PARKING SERVICES PROVIDED THROUGH WIRELESS BEACONS	Pending	Dec 30, 2014		
14586871	ADAPTIVE PREDICTION AND REAL TIME MONITORING OF BEACONS	Pending	Dec 30, 2014		
14586874	SYSTEMS AND METHODS FOR ONLINE ACTIVITY-BASED AUTHENTICATION	Pending	Dec 30, 2014		

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
14586880	Complex Event Processing as Digital Signals	Pending	Dec 30, 2014		
14586881	DYNAMIC AUTHENTICATION THROUGH USER INFORMATION AND INTENT	Pending	Dec 30, 2014		
14586899	UNIFIED PAYMENT ACCOUNT ESTABLISHMENT AND INCORPORATION IN A MAIN PAYMENT ACCOUNT	Pending	Dec 30, 2014		
14586906	WIRELESS BEACON COMMUNICATIONS THROUGH MAGNETIC CARD READERS	Pending	Dec 30, 2014		
14586921	SYSTEMS AND METHODS FOR WAIT TIME ESTIMATION	Pending	Dec 30, 2014		
14586932	FACILITATING PAYMENTS USING WEARABLE DEVICES	Pending	Dec 30, 2014		
14586942	USB-HID WIRELESS BEACONS CONNECTED TO POINT OF SALE DEVICES FOR COMMUNICATION WITH USER DEVICES	Pending	Dec 30, 2014		
14587463	SOURCE CONTROL MANAGEMENT SYSTEM WITH CONTINGENT DEPENDENCY HANDLING	Pending	Dec 31, 2014		
14587552	METHODS FOR AUTOMATIC GENERATION OF PARALLEL CORPORA WEARABLE DEVICE FOR INTERACTING WITH MEDIA-INTEGRATED VENDORS	Pending	Dec 31, 2014		
14587673	AUTHENTICATION DEVICE THAT ENABLES TRANSACTIONS WITH A PAYMENT INSTRUMENT	Pending	Dec 31, 2014		
14588236	METHODS, SYSTEMS, AND APPARATUS FOR CONDUCTING A CONFERENCE SESSION	Pending	Dec 31, 2014		
14588284	COLLABORATING USER DEVICES FOR SECURITY	Pending	Dec 31, 2014		
14588328	METHODS, SYSTEMS, AND APPARATUS FOR ENHANCING ELECTRONIC COMMERCE USING SOCIAL MEDIA	Pending	Dec 31, 2014		

PATENT

REEL: 047476 FRAME: 0903

RECORDED: 11/12/2018