

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4820474

<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>	15894123
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	214-651-5000
<b>Email:</b>	ipdocketing@haynesboone.com
<b>Correspondent Name:</b>	HAYNES & BOONE, LLP (70481)
<b>Address Line 1:</b>	2323 VICTORY AVE. #700
<b>Address Line 4:</b>	DALLAS, TEXAS 75219
<b>ATTORNEY DOCKET NUMBER:</b>	P1795US4/70481.774US04
<b>NAME OF SUBMITTER:</b>	JANINE OLINARES
<b>SIGNATURE:</b>	/Janine Olinares/
<b>DATE SIGNED:</b>	02/12/2018
<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

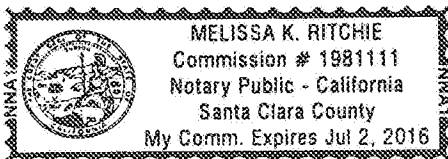
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

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

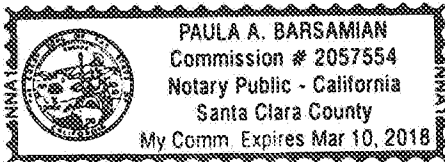
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

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
14588335	AUTHENTICATION OF MOBILE DEVICE FOR SECURE TRANSACTION	Pending	Dec 31, 2014		
	INTERACTING WITH ELECTRONIC COMMERCE USERS USING SOCIAL MEDIA	Pending	Dec 31, 2014		
14588339	MEDIA	Pending	Dec 31, 2014		
14588345	ELECTRONIC COMMERCE USING SOCIAL MEDIA	Pending	Jan 5, 2015		
14589524	RISK ASSESSMENT BASED ON CONNECTED WEARABLE DEVICES	Pending	Jan 14, 2015		
14597172	SYSTEMS AND METHODS FOR AUTHENTICATING A USER AND DEVICE	Pending	Jan 15, 2015		
14598125	PRE-AUTHORIZED DEVICE FOR SHOPPING EXPERIENCE	Pending	Jan 19, 2015		
14599888	VISUAL STATE COMPARATOR	Pending	Jan 21, 2015		
14602228	SYSTEMS AND METHODS FOR ONLINE SHOPPING CART MANAGEMENT	Pending	Jan 31, 2015		
14611210	LOCATION-BASED SERVICES	Pending	Feb 2, 2015		
14611822	SYSTEM AND METHOD TO PROVIDE QUERY LINGUISTIC SERVICE	Pending	Feb 6, 2015		
14616549	SOCIAL NETWORKING CONNECTIONS THROUGH SHORT RANGE WIRELESS DEVICES	Pending	Feb 12, 2015		
14620270	METHOD AND APPARATUS FOR USING SENSORS ON A PORTABLE ELECTRONIC DEVICE TO VERIFY TRANSACTIONS	Pending	Feb 12, 2015		
14620865	ONLINE LOGO TOOL	Pending	Feb 12, 2015		
14621011	AUTHENTICATED CHECKIN VIA PASSIVE NFC	Pending	Feb 12, 2015		
14621226	VOICE PHONE-BASED METHOD AND SYSTEM TO AUTHENTICATE USERS	Pending	Feb 12, 2015		
14621279	CROSS-BROWSER CROSS-MACHINE RECOVERABLE USER IDENTIFIERS	Pending	Feb 15, 2015		
14622900	IDENTIFYING FRAUDULENT ACTIVITIES AND THE PERPETRATORS THEREOF	Pending	Feb 17, 2015		
14624083	SYSTEMS AND METHODS FOR PROVIDING A LOCATION-AWARE MOBILE GAMING INVIRONMENT	Pending	Feb 20, 2015		
14628174	SECURE TRANSACTION PROCESSING THROUGH WEARABLE DEVICE	Pending			

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
14629209	COMMUNICATION DEVICE INPUT INTERFACES FOR USE IN DETERMINING A MORE ACCURATE COST OF AN ITEM	Pending	Feb 23, 2015		
14629379	DONGLE FACILITATED WIRELESS CONSUMER PAYMENTS	Pending	Feb 23, 2015		
14630494	DETECTING RELAYED COMMUNICATIONS	Pending	Feb 24, 2015		
14633782	CUSTOM CACHING	Pending	Feb 27, 2015		
14633828	ELECTRONIC FORM AUTOMATION	Pending	Feb 27, 2015		
14637240	SOCIAL MOBILE SHOPPING SYSTEM	Pending	Mar 3, 2015		
14642629	CREDIT LINE SHARING	Pending	Mar 9, 2015		
14643982	IN-STORE ADVERTISEMENT CUSTOMIZATION	Pending	Mar 10, 2015		
14644098	IMAGE BASED MMS TRANSACTIONS MECHANISM	Pending	Mar 10, 2015		
14645665	SOCIAL COMMERCE AFFILIATE EXCHANGE	Pending	Mar 12, 2015		
14645707	REPLAYING TOKENIZED PAYMENT TRANSACTIONS	Pending	Mar 12, 2015		
14657834	Bulk Event Scheduling	Pending	Mar 13, 2015		
14657929	OMNI SMART CARD	Pending	Mar 13, 2015		
14658003	CONTINGENT FEE ADVERTISEMENT PUBLISHING SERVICE PROVIDER FOR INTERACTIVE TV MEDIA SYSTEM AND METHOD	Pending	Mar 13, 2015		
14659127	RECOMMENDATIONS IN A COMPUTING ADVICE FACILITY	Pending	Mar 16, 2015		
14659419	POINT-OF-SALE SYSTEMS	Pending	Mar 16, 2015		
14661799	ALTERNATE PRODUCT RECOMMENDATIONS	Pending	Mar 18, 2015		
14662057	AUTOMATIC PIN CREATION USING PASSWORD	Pending	Mar 18, 2015		
14662757	MANAGING MULTIPLE BEACONS WITH A NETWORK-CONNECTED PRIMARY BEACON	Pending	Mar 19, 2015		
14664769	ENABLING SECURE TRANSACTIONS WITH AN UNDERPOWERED DEVICE	Pending	Mar 20, 2015		
14666025	SYSTEMS AND METHODS FOR IMPLEMENTING HYBRID DYNAMIC WALLET TOKENS	Pending	Mar 23, 2015		
14666217	ANALYZING USER-PREFERRED CHARACTERISTICS AMONG MERCHANTS	Pending	Mar 23, 2015		
14667115	CONTEXTUALLY AWARE BILLBOARD DISPLAY DEVICES USING WIRELESS BEACON DEVICE COMMUNICATIONS	Pending	Mar 24, 2015		
14671965	DIGITAL WALLET LOADING	Pending	Mar 27, 2015		
14673523	IMAGE-BASED RETRIEVAL AND SEARCHING	Pending	Mar 30, 2015		



APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
14673746	DELIVERY INSTRUCTIONS ON DELIVERY LOCATION DETECTION THROUGH A WIRELESS BEACON DEVICE	Pending	Mar 30, 2015		
14673954	SECURE TRANSACTION THROUGH A TELEVISION	Pending	Mar 31, 2015		
14674730	BUSINESS COMMUNICATION SERVICE	Pending	Mar 31, 2015		
14675612	ONLINE MARKETPLACE INTERFACE HAVING A NETWORK OF QUALIFIED USER OFFERS	Pending	Mar 31, 2015		
14675658	WIRELESS BEACON CONNECTIONS FOR PROVIDING DIGITAL LETTERS OF CREDIT ON DETECTION OF A USER AT A LOCATION	Pending	Mar 31, 2015		
14677867	DIFFERENTIAL CLIENT-SIDE ENCRYPTION OF INFORMATION ORIGINATING FROM A CLIENT	Pending	Apr 2, 2015		
14680018	PERSONALIZATION PLATFORM	Pending	Apr 6, 2015		
14680761	COMMUNICATION DEVICE INTERFACES PROVIDING COURIER SERVICE INFORMATION	Pending	Apr 7, 2015		
14680868	LOCATION DETECTION DEVICES FOR USE IN A COURIER SERVICES NETWORK	Pending	Apr 7, 2015		
14681900	CHARGE-FOR-SERVICE NEAR FIELD COMMUNICATION TRANSACTIONS	Pending	Apr 8, 2015		
14682002	COMMUNICATION DEVICE INTERFACE ALERTS FROM A SERVICE PROVIDER SERVER ON DETECTION OF PRIOR SCHEDULED EVENTS SYSTEMS AND METHODS TO PROCESS A REQUEST RECEIVED AT AN APPLICATION PROGRAM INTERFACE	Pending	Apr 8, 2015		
14683048	DETECTOR TAGS TO DETERMINE PERISHABILITY OF FOOD ITEMS	Pending	Apr 9, 2015		
14684190	SYSTEM AND METHOD TO TEST EXECUTABLE INSTRUCTIONS	Pending	Apr 10, 2015		
14685185	AUTOMATED FAILURE RECOVERY OF SUBSYSTEMS IN A MANAGEMENT SYSTEM	Pending	Apr 13, 2015		
14685299	WIRELESS BEACON DEVICES FOR PREVENTING FRAUD USING LOYALTY INFORMATION FOR A USER	Pending	Apr 13, 2015		
14690135	VIRTUAL ASSISTANT SERVER PROVIDING SERVICES REQUESTED THROUGH DEVICE COMMUNICATIONS	Pending	Apr 17, 2015		
14693671	RECOMMENDED PAYMENT OPTIONS	Pending	Apr 22, 2015		

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
14693977	IDENTITY DATA BASED ON AGGREGATING INPUT DATA	Pending	Apr 24, 2015		
14697926	PAYMENT CODE GENERATION USING A WIRELESS BEACON AT A MERCHANT LOCATION	Pending	Apr 28, 2015		
14698116	WIRELESS TECHNOLOGY BRIDGING SYSTEM	Pending	Apr 28, 2015		
14699906	SELECTION OF MERCHANT AND DEVICE SPECIFIC PAYMENT FLOW	Pending	Apr 29, 2015		
14699980	ELECTRONIC PAYMENT AND BUDGETING SYSTEM UTILIZING CONFIGURABLE PAYMENT CARDS	Pending	Apr 29, 2015		
14701278	Soft Recommendations	Pending	Apr 30, 2015		
14702421	PAYMENT SYSTEM USING SPENDING GATES	Pending	May 1, 2015		
14702491	ROLE-BASED ATTRIBUTE BASED ACCESS CONTROL (RABAC)	Pending	May 1, 2015		
14704256	TRANSMITTING DATA BASED ON RETRIEVAL LOCATIONS	Pending	May 5, 2015		
14705542	METHOD AND SYSTEM FOR PROVIDING A FRAMEWORK AS A SERVICE	Pending	May 7, 2015		
14706777	METHOD AND SYSTEM FOR LOG AGGREGATION	Pending	May 7, 2015		
14706786	METHOD AND SYSTEM FOR PROVIDING A PIPELINE INFRASTRUCTURE	Pending	May 7, 2015		
14706792	METHODS AND SYSTEMS TO IDENTIFY QUERY RECOMMENDATIONS	Pending	May 11, 2015		
14708440	SYSTEM AND METHOD OF SITE OUTAGE MANAGEMENT	Pending	May 11, 2015		
14708529	USER DEVICE DETECTION AND INTEGRATION FOR AN IVR SYSTEM	Pending	May 11, 2015		
14709321	SYSTEMS AND METHODS FOR FACILITATING ACCOUNT VERIFICATION OVER A NETWORK	Pending	May 12, 2015		
14710436	SECURE SHORT MESSAGE SERVICE (SMS) COMMUNICATIONS	Pending	May 14, 2015		
14712873	FUNDING ON-LINE ACCOUNTS	Pending	May 19, 2015		
14715658	INTERACTIVE VOICE RESPONSE VALET	Pending	May 21, 2015		
14718496	CONTROLLING USER DEVICES BASED ON BIOMETRIC READINGS	Pending	May 21, 2015		
14718713	WEIGHTED REQUEST RATE LIMITING FOR RESOURCES	Pending	May 22, 2015		
14720659	SECURITY AUTHENTICATION USING PAYMENT CARD DISPLAY DEVICES AT ACCEPTED MERCHANT LOCATIONS	Pending	May 22, 2015		

APPLICATION NUMBER	TITLE	STATUS	DATE FILED	PATENT NUMBER	GRANT DATE
29397141	DEVICE DISPLAY SCREEN WITH AN ANIMATED GRAPHICAL USER INTERFACE HAVING COVER FLOW ICONS	Issued	Jul 12, 2011	D705250	May 20, 2014
29397153	DEVICE DISPLAY SCREEN WITH AN ANIMATED GRAPHICAL USER INTERFACE HAVING PARALLEL ICONS	Issued	Jul 12, 2011	D704729	May 13, 2014
29397154	DEVICE DISPLAY SCREEN WITH AN ANIMATED GRAPHICAL USER INTERFACE HAVING SMOOTHLY TRANSITIONED ICONS	Issued	Jul 12, 2011	D705800	May 27, 2014
29415119	READER FOR MOBILE DEVICE DESIGN	Issued	Mar 7, 2012	D675618	Feb 5, 2013
29455720	BLUETOOTH LOW ENERGY DONGLE DESIGN	Issued	May 23, 2013	D717309	Nov 11, 2014
29466537	BLUETOOTH LOW ENERGY BEACON DESIGN	Issued	Sep 9, 2013	D723566	Mar 3, 2015
29467890	CARD READER FOR MOBILE DEVICE DESIGN	Issued	Sep 24, 2013	D728568	May 5, 2015
29467893	CARD READER FOR MOBILE DEVICE DESIGN	Pending	Sep 24, 2013		
29487115	ELECTRONIC DEVICE	Issued	Apr 4, 2014	D725655	Mar 31, 2015
29499883	ELECTRONIC DEVICE DESIGN	Pending	Aug 19, 2014		
29516367	BLUETOOTH LOW ENERGY BEACON	Pending	Jan 30, 2015		
60131785	Virally Marketed Wallet Software for Portable Computers	Expired	Apr 30, 1999		
60131867	SYSTEM AND METHOD FOR SETTING THE MODE OF OPERATION OF AN ELECTRONIC DEVICE	Expired	Apr 28, 1999		
60178484	MULTI-PARTY ELECTRONIC TRANSACTIONS	Expired	Jan 27, 2000		
		Expired	Mar 17, 2000		
60190420	METHOD AND APPARATUS FOR FACILITATING ONLINE PAYMENT TRANSACTIONS IN A NET-WORK-BASED TRANSACTION FACILITY USING MULTIPLE PAYMENT INSTRUMENTS				
60190825	Web based interface system having automatic loan qualification and affordability screening	Expired	Mar 21, 2000		

PATENT