# 505518266 06/11/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5565071

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYAN		ASSIGNMENT		
CONVEYING PARTY DA	ATA			
		Name		Execution Date
EBAY INC.				07/17/2015
RECEIVING PARTY DA	ТА			
Name:	PAYPAL,	INC.		
Street Address:	2211 NO	RTH FIRST STREET		
City:	SAN JOS	E		
State/Country:	CALIFOR	NIA		
Postal Code:	95131			
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Application Number:	15	267203		
CORRESPONDENCE D	ΑΤΑ			
Fax Number:	(2	4)200-0853		
	e sent to ti	14)200-0853 <b>ne e-mail address first; if that l</b>		
Correspondence will be using a fax number, if p	e sent to th provided; i	ne e-mail address first; if that i f that is unsuccessful, it will b		
<i>Correspondence will be using a fax number, if p</i> Phone:	e sent to ti provided; i 51	ne e-mail address first; if that i f that is unsuccessful, it will b 28678459		
<i>Correspondence will be using a fax number, if p</i> Phone: Email:	e sent to th provided; i 51 ipo	<b>ne e-mail address first; if that i</b> <b>f that is unsuccessful, it will b</b> 28678459 locketing@haynesboone.com		
Correspondence will be using a fax number, if p Phone: Email: Correspondent Name:	e sent to ti provided; i 51 ipo H/	ne e-mail address first; if that i f that is unsuccessful, it will b 28678459		
<i>Correspondence will be using a fax number, if p</i> Phone: Email:	e sent to ti provided; i 51 ipo H/ 23	<b>ne e-mail address first; if that i</b> <b>f that is unsuccessful, it will b</b> 28678459 locketing@haynesboone.com AYNES AND BOONE, LLP		
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Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	e sent to ti provided; i 51 ipo H/ 23 SI D/	<b>be e-mail address first; if that if</b> <b>f that is unsuccessful, it will b</b> 28678459 locketing@haynesboone.com AYNES AND BOONE, LLP 23 VICTORY AVENUE JITE 700 ALLAS, TEXAS 75219	e sent via US	
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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: eBav Inc. By: Its: GENERAL COUNSEL JULY and I Star Date: 17.

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  $17^{4k}$  day of 3016, personally appeared 100 have 3000 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 of Notary)

(Legibly Print or Stamp Name of Notary)

ACCEPTED BY:

SIGNATURE PAGE TO PATENT ASSIGNMENT AGREEMENT

PATENT REEL: 049428 FRAME: 0825

#### ASSIGNEE:

PayPal, Inc. By: Gunsel & Aset. Sec y Its: Date:

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.

(Legibly Print or Stamp Name of Notary)

SIGNATURE PAGE TO PATENT ASSIGNMENT AGREEMENT

PATENT REEL: 049428 FRAME: 0826

#### **CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

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 Che	<u>×</u> )	
On July 17 2015	before me, Paula A. Bayselluian, Motary MulalCa	
Ďate	Here Insert Name and Title of the Officer	
personally appeared	ussel Elynar	
	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.

PAULA A. BARSAMIAN Commission # 2057554 Notary Public - California Santa Clara County My Comm. Expires Mar 10, 2018

Signature of Notary Public

Place Notary Seal Above

OPTIONAL .

Signature

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

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		Sep 18, 2013	Pending	DETECTION OF MAN IN THE BROWSER STYLE MALWARE USING	140
		Sep 17, 2013	Pending	14029456 PHYSICAL INTERACTION DEPENDENT TRANSACTIONS	140
		cro7 (ar dac	rending	14028394 TELLER MACHINES	140
				14028225 SHOPPING	140
		Sep 16, 2013	Pending	SYSTEM AND METHOD FOR COMMUNITY AIDED RESEARCH AND	
				14027062 USE IN A NETWORK ENVIRONMENT	140
		Sep 13, 2013	Allowed	SYSTEM AND METHOD OF A PASSPHRASE ACCOUNT IDENTIFIER FOR	
				14026776 PAYMENTS BY A PAYMENT PROVIDER SYSTEMS AND METHODS	140
****				COMPLETION OF ONLINE PAYMENT FORMS AND RECURRING	
		Sep 13, 2013	Pending		
		Sep 13, 2013	Pending	14026363 FOCUSED SEARCH TOOL	140
				14025452 POINT OF SALE ITEM PAYMENT OPTION SYSTEMS AND METHODS	140
		Sep 12, 2013	Pending		
		Sep 11, 2013	Pending	14024303 PRECONFIGURED APPLICATION INSTALL	140
		Sep 9, 2013	Pending	14021045 AUTOMATIC WIRELESS CONSUMER CHECKINS	140
		Sep 4, 2013	Pending	14018367 GIFT PACKAGE RECOMMENDATIONS	140
		Sep 3, 2013	Pending	14017116 CHECK-IN FOR DELIVERY	140
			*****	14015010 PERSONALIZATION	140
		Aug 30, 2013	Pending	PAYMENT APPLICATION WITH MERCHANT PHYSICAL LOCATION	
				14014178 INTELLIGENTLY ALTERING USER DEVICE SETTINGS	140
		Aug 29, 2013	Pending	METHODS AND SYSTEMS FOR DETECTING A USER AND	
		Aug 29, 2013	Pending	14014048 WEARABLE USER DEVICE AUTHENTICATION SYSTEM	140
				14013950 SYSTEMS AND METHODS FOR LOCATION-BASED WEB COOKIES	140
*****		Aug 29, 2013	Pending		
		Aug 29, 2013	Pending	14013819 METHOD AND SYSTEM FOR DYNAMIC FUNDING	140
		Aug 28, 2013	Pending	14012793 MERCHANT POINT OF SALE SECURITY SYSTEM	140
		Aug 28, 2013	Pending	14012753 AUTHENTICATION SYSTEM	140
2 May 19,	9037082	Aug 28, 2013	Issued	14012722 WIRELESS TECHNOLOGY BRIDGING SYSTEM	140
		Aug 28, 2013	Pending	14012374 MOTION-BASED CREDENTIALS USING MAGNIFIED MOTION	140
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7					5

		Sep 30, 2013	Pending	SYSTEMS AND METHODS FOR ALTERING TRAVEL ROUTES WITH A	140
		Sep 30, 2013	Pending	14041936 OF TRANSPORTATION PROVIDERS BY A USER	14(
		Sep 30, 2013	Pending	14041633 FLEXIBLE SPENDING ACCOUNT PROVISION SYSTEM	14(
		Sep 30, 2013	Pending	14041218 A METHOD AND SYSTEM FOR DETECTING FRAUD	14(
				14041101 METHODS	14(
		Sep 30, 2013	Pending	GIFT ENTITLEMENT NOTIFICATION AND DELIVERY SYSTEMS AND	
		Sep 27, 2013	Pending	14040447 RECEIPT RETRIEVAL BASED ON LOCATION	140
		Sep 27, 2013	Pending	14039918 WEARABLE USER DEVICE ENHANCED DISPLAY SYSTEM	14(
		Sep 27, 2013	Pending	14039677 GESTURE IDENTIFICATION	140
		Sep 27, 2013	Pending	14039606 MERCHANT LOAN MANAGEMENT AND PROCESSING	14(
				14039154 USING A PACKET SEQUENCE INCLUDING LOCATION INFORMATION	140
	*******		*****	SYSTEMS AND METHODS FOR CHECKING A USER INTO A LOCATION	
		Sep 27, 2013	Pending		
	******			14039124 IDENTIFIER	14(
		Sep 27, 2013	Pending	SYSTEMS AND METHODS FOR AUTHENTICATION USING A DEVICE	
		Sep 26, 2013	Pending	14038691 BILL PAYMENT BY IMAGE RECOGNITION	140
		Sep 25, 2013	Pending	14037172 MULTIPLAYER TASK GAME	140
	*****	Sep 25, 2013	Pending	14036292 SPENDING DELEGATION	140
				14035817 AUTHENTICATION	14(
			****	REMOVING WEAK STIMULI USED IN STIMULUS-BASED	
		Sep 24, 2013	Pending	SYSTEMS AND METHODS FOR AUTOMATICALLY IDENTIFYING AND	
		Sep 23, 2013	Allowed	14034279 SECURE SHORT MESSAGE SERVICE (SMS) COMMUNICATIONS	140
				14033851 BIOMETRIC MODEL ASSOCIATED WITH THE USER	140
	******	Sep 23, 2013	Pending	SYSTEMS AND METHODS FOR AUTHENTICATING A USER BASED ON A	
		Sep 19, 2013	Pending	14032089 PERSON TO PERSON PHOTO PAYMENTS	140
		Sep 19, 2013	Pending	14031631 EMERGENCY AUTO-NOTIFICATION	14(
	******			14030961 HABITS	140
		Sep 18, 2013	Pending	PROVIDING CONSUMERS WITH INCENTIVES FOR HEALTHY EATING	
GRANT DATE	PATENT NUMBER	DATE FILED	STATUS	ICATION TITLE	APPLICATION NUMBER

		Oct 29, 2013	Pending	257 COMPUTING DEVICE FOR CUSTOM GOLF CLUB FITTING	14066257
				255 PAYMENT SERVICE PROVISION WITH REDUCED TRANSACTION COSTS	14066255
		Oct 29, 2013	Allowed		
		Oct 25, 2013	Pending	14063880 MERCHANT OFFER RECOMMENDATION SYSTEM	1406388
		Oct 25, 2013	Pending	14063786 CONTINGENT PAYMENT SYSTEM	1406378
		Oct 22, 2013	Pending	14060089 SHOPPING ASSISTANT	1406008
				341 PROVIDER	14059841
Apr 8, 2014	8694422	Oct 22, 2013	Issued	METHOD AND SYSTEM FOR USER SIGNUP BY A NETWORK SERVICE	
		Oct 22, 2013	Pending	594 SEARCH CLUSTERING	14059694
				14059324 CONSUMER EXPERIENCE	1405932
		Oct 21, 2013	Pending	SYSTEMS AND METHODS FOR SHARING DATA TO ENHANCE A	
				586 ACCOUNTS	14057586
Nov 25, 2014	8898082	Oct 18, 2013	lssued	NETWORK-BASED CONSUMER TRANSACTIONS WITH CREDIT	
		Oct 16, 2013	Pending	549 HYBRID ACCOUNT	14055649
		Oct 11, 2013	Allowed	750 BACKWARD COMPATIBILITY IN DATABASE SCHEMAS	14051750
				155 CREDIT THROUGH UNSTRUCTURED SUPPLEMENTARY SERVICE DATA	14050155
		Oct 9, 2013	Pending		
		Oct 9, 2013	Pending	14049979 PAYMENT TREE	1404997
			******	386 DELAYED FEEDBACK	14048886
		Oct 8, 2013	Pending	PROMPT, DETAILED RATING OF GOODS AND SERVICES WITH	
				791 CREDIT ISSUER TO A CONSUMER AT A POINT-OF-SALE	14047791
May 6, 2014	8719159	Oct 7, 2013	lssued	METHOD AND SYSTEM FOR OFFERING A CREDIT PRODUCT BY A	
		Oct 7, 2013	Pending	14047724 FREE-FORM ENTRIES DURING PAYMENT PROCESSES	1404772
		Oct 3, 2013	Pending	14045498 PAYMENT PREFERENCE USER INTERFACE	1404549
				514 BY TRUSTED SERVICE MANAGERS	14043614
		Oct 1, 2013	Pending	BIOMETRIC AUTHENTICATION OF MOBILE FINANCIAL TRANSACTIONS	
				227 MERCHANDISE HOLDER	14042227
		Sep 30, 2013	Pending	SYSTEMS AND METHODS FOR FACILITATING PURCHASE USING	
		Sep 30, 2013	Pending	14042218 MULTI-DIMENSIONAL DYNAMIC VISUAL BROWSING	140422
				14042181 MONETARY COST DURING A RIDE SHARING SITUATION	1404218
			******	SYSTEMS AND METHODS FOR DETERMINING PRO RATA SHARES OF A	
		Sep 30, 2013	Pending		
GRANT DATE	NUMBER	DATE FILED	STATUS	TITLE	APPLICATION NUMBER

		Dec 3, 2013	Pending	14094929 FEDERATED IDENTITY CREATION	14094
Oct 14, 2014	8862513	Dec 2, 2013	Issued	14094678 MOBILE BARCODE GENERATION AND PAYMENT	14094
		Dec 2, 2013	Pending	14094617 SHOPPING IN A MEDIA BROADCAST CONTEXT	14094
		Nov 26, 2013	Pending	14091161 CASH FLOW MANAGEMENT	14091
		Nov 26, 2013	Pending	14091079 TARGETED CONTENT FOR ULTIMATE FANS	14091
		Nov 26, 2013	Pending	14090486 COLLABORATIVE EMAIL WITH HIERACHICAL SIGNATURE AUTHORITY	1409(
				14086805 USERS ON A NETWORK-BASED FACILITY	1408(
		Nov 21, 2013	Pending	METHODS AND SYSTEMS FOR HARVESTING COMMENTS REGARDING	
				14085755 FLOAT	14085
		Nov 20, 2013	Pending	SYSTEM AND METHOD FOR SIMPLIFIED CHECKOUT WITH PAYMENT	
		Nov 20, 2013	Pending	14085746 SYSTEM AND METHOD FOR SIMPLIFIED CHECKOUT	14083
		Nov 19, 2013	Pending	14084533 FACILITATING PAYMENT TRANSACTION VIA TRUSTED DEVICES	1408/
		Nov 18, 2013	Pending	14083388 CODES WITH USER PREFERENCES	14083
		Nov 18, 2013	Pending	14083367 AUTO-DETECTION OF MERCHANT PAYMENT PREFERENCES	14083
		Nov 15, 2013	Pending	14081978 METHOD FOR TRANSMITTING A CODE	1408)
		Nov 15, 2013	Pending	14081679 REQUEST MONEY SOCIAL NETWORKING APPLICATIONS	1408)
		Nov 13, 2013	Pending	14079416 AUTOMATED DELIVERY SYSTEM	14079
Mar 17, 2015	8984290	Nov 12, 2013	lssued	14078465 AUTHENTICATED CHECKIN VIA PASSIVE NFC	14078
				14077541 SYSTEMS AND METHODS FOR AUTOMATIC SCRAPBOOK GENERATION	1407,
		Nov 12, 2013	Pending		
		Nov 6, 2013	Pending	14073788 EVALUATING IMAGE SHARPNESS	14073
				14073564 USING REPUTATION MEASURES TO IMPROVE SEARCH RELEVANCE	14073
		Nov 6, 2013	Allowed		
	*****			14073283 DESTINATION DEVICE BILLING ACCORDING TO CALL RECIPIENT	14073
Dec 2, 2014	8903063	Nov 6, 2013	lssued		
	*****			14071980 A PAYMENT ACCOUNT FOR FUTURE PURCHASES	14071
		Nov 5, 2013	Pending	SYSTEMS AND METHODS FOR STORING USER DISCOUNT CARDS WITH Pending	
	******			14066548 TRANSACTION	14066
	****			DYNAMIC VERIFICATION OF A CONSUMER ENGAGED IN A	
		Oct 29, 2013	Pending	COMPUTER-IMPLEMENTED METHOD, SYSTEM AND APPARATUS FOR	
		Oct 29, 2013	Pending	14066342 RAPID ONLINE PAYMENT SYSTEM	14066
GRANT DATE	NUMBER	DATE FILED	STATUS	ION TITLE	APPLICATION

APPLICATION		STATUS	DATE FILED	PATENT	GRANT DATE
	SENSITIVE DATA PROTECTION DURING USER INTERFACE	Pending	Dec 3, 2013		
14095297	14095297 AUTOMATION TESTING SYSTEMS AND METHODS			*******	
14097063	14097063 PASSIVE CHECK-IN	Pending	Dec 4, 2013		
	SYSTEMS AND METHODS FOR OFFLINE ECOMMERCE PURCHASES	Pending	Dec 6, 2013		
14098959	14098959 USING AN ITEM CATALOG FOR A USER				
14099681	14099681 POINT-OF-SALE SYSTEMS	Issued	Dec 6, 2013	9033228	May 19, 2015
14100990	14100990 HEADER-TOKEN DRIVEN AUTOMATIC TEXT SEGMENTATION	Issued	Dec 9, 2013	9053091	Jun 9, 2015
	SYSTEMS AND METHODS FOR COMPLETION OF ITEM PURCHASES	Pending	Dec 9, 2013		
14101048	14101048 WITHOUT MERCHANT INTERACTION				
	DIFFERENTIAL CLIENT-SIDE ENCRYPTION OF INFORMATION	Issued	Dec 11, 2013	9009462	Apr 14, 2015
14103038	14103038 ORIGINATING FROM A CLIENT				
	SYSTEM AND METHOD OF PREDICTING PURCHASE BEHAVIORS FROM	Pending	Dec 11, 2013		
14103062	14103062 SOCIAL MEDIA				
14105747	14105747 ITEM SEARCH AND REFINEMENT USING WEARABLE DEVICE	Pending	Dec 13, 2013		
	SYSTEMS AND METHODS FOR DEFEATING MALWARE WITH	Pending	Dec 13, 2013		
14105788	14105788 RANDOMIZED OPCODE VALUES				
	SYSTEMS AND METHODS TO PRESENT IMAGES REPRESENTATIVE OF	Pending	Dec 17, 2013		
14108550	14108550 SEARCHED ITEMS				
14109406	14109406 TRAVEL ACCOUNT	Pending	Dec 17, 2013		
	SYSTEM AND METHOD FOR PROVIDING FASHION	Pending	Dec 17, 2013		
14109516	14109516 RECOMMENDATIONS				
		Pending	Dec 18, 2013		
14132535	DYE PACH: SYSTEMS AND METHODS FOR ACH FUND TRACKING				
SYSTEN	A AND METHODS FOR ACCOUNT CREATION USING A FEATURE	Pending	Dec 18, 2013	*****	
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### PATENT REEL: 049428 FRAME: 0832