505099146 09/18/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5145906

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
HARITA YENISETTY			08/03/2015		
PRASHANTH PATLOLI	A		08/01/2015		
BHAVANI KUMAR HAR	1		07/31/2015		
GAYATHRI RAVICHAN	DRAN GEE	THA	08/01/2015		
RECEIVING PARTY DA	ATA				
Name:	EBAY IN	С.			
Street Address:	2025 HAN	MILTON AVENUE			
City:	SAN JOS	SE			
State/Country:	CALIFOR	RNIA			
Postal Code:	95125				
Property Type		Number			
	16		-		
Application Number:	16	6109949			
Application Number: CORRESPONDENCE I Fax Number:	ΟΑΤΑ	5109949			
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RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2043.194US2	Patent and Trademark Office		
To the Director of the U.S. Patent and Trademark Office: Ple	ease record the attached original documents or copy thereof.		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
Harita Yenisetty, Prashanth Patlolla, Bhavani Kumar	Name: eBay Inc.		
Hari, Gayathri Ravichandran Geetha	Street Address: 2025 Hamilton Avenue		
Additional name(s) of conveying party(ies) attached?	City: <u>San Jose</u> State: <u>California</u> Zip: <u>95125</u> Country: <u>United States of America</u>		
[]Yes [X]No	Additional name(s) & address(es) attached? []Yes		
3. Nature of conveyance:	[X]No		
 [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other 			
Execution Date: <u>August 3, 2015</u> , <u>August 1, 2015</u> , <u>July</u> 31, 2015, <u>August 1, 2015</u>			
4. Application number(s) or patent number(s):If this document is being filed together with a new application	on, the execution date of the application is:		
A. Patent Application No.(s)	B. Patent No.(s)		
Serial No. 16/109,949			
Additional numbers attached? []Yes [X]No			
5 Nome and address of porty to whom correspondence	6. Total number of applications and patents involved: 1		
5. Name and address of party to whom correspondence concerning document should be mailed:	7. Total fee (37 CFR 3.41):\$ <u>0.00</u>		
Name: Mark R. Vatuone	Enclosed		
Address:	[Authorized to be charged to deposit account 19-0743		
Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, Minnesota 55402	 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 		
DO NOT USE	E THIS SPACE		
9. Statement and signature. To the best of my knowledge and belief, the foregoing inforr of the original document.	nation is true and correct and any attached copy is a true copy		

Mark R.	Vatuone/R	teg. No.	53,719
	erson Signin		

1 Mart & Mature 1 Signature

September 18, 2018 Date

Total number of pages including cover sheet: 7

Mail documents to be recorded with required cover sheet information to: **Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services** P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 046898 FRAME: 0834

ASSIGNMENT

WHEREAS, Harita Yenisetty, Prashanth Patlolla, Bhavani Kumar Hari and Gayathri Ravichandran Geetha (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on $\frac{8/4/2015}{14/818,056}$, which application was assigned US patent application serial number $\frac{14}{818,056}$, and which is titled PROBABILITY MODELING.

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, CA 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 aboveidentified 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 information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

PATENT REEL: 046898 FRAME: 0835 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:

Assignor:

(Signature):

Harita Genisstty 1

Name: Harita Yenisetty City/State: Sunnyvale, CA

Date: Aug 3, 2015

1

Assignor:

(Signature):	/ pilyking		
	Name: <u>Prashanth Patiolia</u> City/State: <u>San Jose, CA</u>		

Date: Aug 1, 2015

1

Assignor:

(Signature):

Bhavani Hari

Name: Bhavani Kumar Hari City/State: Campbell, CA

Date: Jul 31, 2015

/

Assignor:

(Signature):

Gayathri Ravichandran Geetha /

Name: Gayathri Ravichandran Geetha City/State: Sunnyvale, CA

Date: Aug 1, 2015

/