

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5862275

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIN LI	10/15/2018
FREDERIC TU	10/15/2018
ZHIJUN LING	10/19/2015
XIAOHAN YUN	10/15/2018
JUN ZHANG	10/15/2018
YANG YU	10/15/2018
LIBIN SUN	10/18/2018
CHRISTOPHER TANG	10/15/2018
CHAO ZHANG	10/22/2018
<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>
Application Number:	16234471
<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>	949.202.3000
<b>Email:</b>	ipdocketing@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>	70481.2402US01
<b>NAME OF SUBMITTER:</b>	TOM CHEN

<b>SIGNATURE:</b>	/Tom Chen/
<b>DATE SIGNED:</b>	12/11/2019
<b>Total Attachments: 13</b> source=70481_2402US01_Assignment#page1.tif source=70481_2402US01_Assignment#page2.tif source=70481_2402US01_Assignment#page3.tif source=70481_2402US01_Assignment#page4.tif source=70481_2402US01_Assignment#page5.tif source=70481_2402US01_Assignment#page6.tif source=70481_2402US01_Assignment#page7.tif source=70481_2402US01_Assignment#page8.tif source=70481_2402US01_Assignment#page9.tif source=70481_2402US01_Assignment#page10.tif source=70481_2402US01_Assignment#page11.tif source=70481_2402US01_Assignment#page12.tif source=70481_2402US01_Assignment#page13.tif	

**ASSIGNMENT**

WHEREAS, we, Xin Li, Frédéric Tu, Zhijun Ling, Xiaohan Yun, Jun Zhang, Yang Yu, Libin Sun, Christopher Tang and Chao Zhang, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled

**EFFICIENT RISK MODEL COMPUTATIONS**

WHEREAS, we hereby authorize and request our attorneys at PAYPAL, INC. to insert here in parentheses (Serial Number: \_\_\_\_\_; Filing Date: \_\_\_\_\_) the filing date and application number of said application when known.

AND WHEREAS, PAYPAL, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business 2211 North First Street, San Jose, California 95131 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

10/15/2018

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_.

DocuSigned by:  
*Xin Li*  
49B3648A1U3B44C...

Xin Li

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10/15/2018.

DocuSigned by:  
*Frédéric Tu*  
1C379DB7707D466...

Frédéric Tu

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_.

\_\_\_\_\_

Zhijun Ling

10/15/2018

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_.

DocuSigned by:  
*Xiaohan Yun*  
C1D6807233F04A7...

Xiaohan Yun

10/15/2018

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_.

DocuSigned by:

*Jun Zhang*

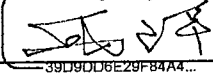
2C392480492D43E...

Jun Zhang



10/15/2018

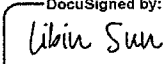
IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_.

DocuSigned by:  
  
39D9DD6E29F84A4...

Yang Yu

10/18/2018

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_.

\_\_\_\_\_/  \_\_\_\_\_  
5EBC5C88D5F64B1...

Libin Sun

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10/15/2018.

DocuSigned by:  
*Christopher Tang*  
E5D93D6EC64B4FB...

Christopher Tang

10/22/2018

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_.

DocuSigned by:  
*Chao Zhang*  
4B64B3A0D5EC464...

Chao Zhang

PAYPAL HOLDINGS, INC.

EMPLOYEE PROPRIETARY INFORMATION  
AND INVENTIONS AGREEMENT

In consideration of my employment or continued employment by PAYPAL HOLDINGS, INC. and all current, past and future subsidiaries, affiliated companies and/or successors (including without limitation all direct and indirect subsidiaries (each, including PayPal, a "PayPal Company" and collectively the "PayPal Companies"), and the compensation now and hereafter paid to me, I hereby agree as follows:

1. DEFINITIONS

1.1 Inventions. The term "Inventions" means any invention (whether or not patentable) or work of authorship, including without limitation any and all ideas, concepts, information, improvements, discoveries, developments, designs, formulae, materials, processes, procedures, techniques (including manufacturing processes, procedures, and techniques), mask works, know-how, artwork, data, programs, prototypes, pseudo-code, software, source and object codes, and any other works of authorship or other copyrightable or patentable works recognized by the laws of any jurisdiction or country.

1.3 Intellectual Property Rights. The term "Intellectual Property Rights" means all patents and applications, copyrights, service and/or trademarks, trade dress, trade secrets, mask work rights, and all other intellectual property rights recognized by the laws of any jurisdiction or country.

3. ASSIGNMENT OF INVENTIONS.

3.2 Assignment of Inventions. Subject to the section titled "Government or Third Party," except for Inventions that I can prove qualify fully under Section 2870 of the California Labor Code (or an otherwise applicable analogous law in another jurisdiction) (hereinafter "Section 2870") or that I have set forth on Exhibit A, I hereby assign and agree to assign in the future (when any such Inventions or Intellectual Property Rights are first conceived, reduced to practice, or first fixed in a tangible medium, as applicable) to the Company all my right, title and interest in and to any and all Inventions (and all Intellectual Property Rights with respect thereto), whether or not patentable or registrable under the Copyright Act or similar statutes under the laws of any jurisdiction or country, made, conceived, reduced to practice or learned by me, either alone or with others, during the period of my employment by the Company (including any other PayPal Company and its and their affiliates and predecessors). Inventions assigned to the Company, or to a third party as directed by the Company pursuant to the section titled "Government or Third Party," are hereinafter referred to in this Agreement as "Company Inventions." I have reviewed the notification on Exhibit B (Limited Exclusion Notification) and agree that my signature acknowledges receipt of the notification.

This Agreement shall be effective as of the first day of my employment with the Company, any other PayPal Company, or any affiliates or predecessors.

I ACKNOWLEDGE THAT I HAVE READ THIS AGREEMENT CAREFULLY, UNDERSTAND ITS TERMS, AND HAVE BEEN GIVEN THE OPPORTUNITY TO DISCUSS IT WITH INDEPENDENT LEGAL COUNSEL. I HAVE COMPLETELY FILLED OUT EXHIBIT A TO THIS AGREEMENT OR LEFT SUCH EXHIBIT BLANK BECAUSE NO PRIOR INVENTIONS EXIST.

Ling Zhi Jan.

(Signature)

Ling Zhi Jan

(Printed Name)

Dated: 2015, 10, 19

Address: \_\_\_\_\_