

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4055565

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|---|--------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| YUVAL ARIE BERCOVICH | 09/06/2016 |
| IDO KANTOR | 09/07/2016 |
| MAAYAN LIAT ZOHAR | 09/06/2016 |
| ELAD BICHMAN | 09/07/2016 |
| ZAHID NASIRUDDIN SHAIKH | 09/06/2016 |
| RECEIVING PARTY DATA | |
| Name: | PAYPAL, INC. |
| Street Address: | 2211 NORTH FIRST STREET |
| City: | SAN JOSE |
| State/Country: | CALIFORNIA |
| Postal Code: | 95131 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15260095 |
| CORRESPONDENCE DATA | |
| Fax Number: | (214)200-0853 |
| <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> | |
| Phone: | (949)202-3071 |
| Email: | gina.sohn@haynesboone.com |
| Correspondent Name: | HAYNES AND BOONE, LLP |
| Address Line 1: | 2323 VICTORY AVENUE, SUITE 700 |
| Address Line 4: | DALLAS, TEXAS 75219 |
| ATTORNEY DOCKET NUMBER: | 70481.2209US03 |
| NAME OF SUBMITTER: | TOM CHEN |
| SIGNATURE: | /Tom Chen/ |
| DATE SIGNED: | 09/16/2016 |
| Total Attachments: 3 | |
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70481.2209US03
(IHP38US3)

ASSIGNMENT

WHEREAS, WE, **Yuval Arie Bercovich, Ido Kantor, Maayan Liat Zohar, Elad Bichman and Zahid Nasiruddin Shaikh** made certain new and useful inventions and improvements for which WE filed an application for Letters Patent of the United States entitled

UTILIZING TRANSPORT LAYER SECURITY (TLS) FINGERPRINTS TO DETERMINE AGENTS AND OPERATING SYSTEMS

WHEREAS, We hereby authorize and request our attorneys, as listed on the Power of Attorney, at HAYNES AND BOONE LLP, located at 2323 Victory Avenue, Suite 700, Dallas, TX 75219, to insert here in parentheses (Serial Number: 15/260,095; Filing Date: 09/08/2016) the filing date and application number of said application when known.

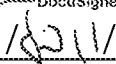
AND WHEREAS, PayPal, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2211 North First Street, San Jose, CA 95131 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in 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.

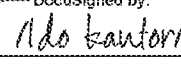
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said 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.

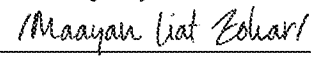
IN TESTIMONY WHEREOF, I have hereunto set my hand this 9/6/2016.

DocuSigned by:

2A7483A09AF6479...
Yuval Arie Bercovich

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9/7/2016.

DocuSigned by:

BD8A466BA5294C0...
Ido Kantor

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9/6/2016.

DocuSigned by:

EF63497E55A147E...
Maayan Liat Zohar

Docket No: 70481.2209US03
(IHP38US3)
Page 3 of 3

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9/7/2016.

DocuSigned by:
Elad Bichman
ED65164C4DC1468...
Elad Bichman

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9/6/2016.

DocuSigned by:
Zahid Nasiruddin Shaikh
6387BC695A43429...
Zahid Nasiruddin Shaikh