504619194 10/31/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4665909

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANANYA SHUKLA	10/24/2017
DANIEL NORRIS	10/25/2017

RECEIVING PARTY DATA

Name:	PALANTIR TECHNOLOGIES INC.	
Street Address:	100 HAMILTON AVE.	
Internal Address:	nternal Address: SUITE 300	
City:	PALO ALTO	
State/Country:	Country: CALIFORNIA	
Postal Code:	ostal Code: 94301	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15357655

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 6123736900

Email: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	4296.066US1	
NAME OF SUBMITTER:	DIANA JOHNSON	
SIGNATURE:	/Diana Johnson/	
DATE SIGNED: 10/31/2017		
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 9

source=4296.066US1 Assignment signed#page1.tif source=4296.066US1 Assignment signed#page2.tif source=4296.066US1 Assignment signed#page3.tif

PATENT 504619194 REEL: 043990 FRAME: 0038

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 4296.066US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Palantir Technologies Inc. Ananya Shukla, Daniel Norris Street Address: 100 Hamilton Ave. Additional name(s) of conveying party(ies) attached? Suite 300 City: Palo Alto State: CA Zip: Country: United States of America []Yes [X]No Zip: 94301 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: October 24, 2017, October 25, 2017 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 15/357,655 Additional numbers attached? []Yes [X]No 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):\$ 0.00 Name: Aris Gregorian [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, Minnesota 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Aris Gregorian/Reg. No. 72,357 / Aris Gregorian / 10/30/2017
Name of Person Signing Signature Date

Total number of pages including cover sheet: 9

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

Application Data Sheet filed previously or concurrently

Docket No.: 4296.066US1 Page 1 of 4

Title: SYSTEM TO IDENTIFY VULNERABLE CARD READERS

Inventor(s): Ananya Shukla, and Daniel Norris

App. No.: 15/357,655

Filing Date: November 21, 2016

Declaration

This Declaration is directed to the application identified above that:

is being filed concurrently herewith.

-OR-

was filed as the United States application or PCT international application identified above and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of subject matter which is described in the above-identified application, including a claimed invention.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventor(s)

THIS ASSIGNMENT AGREEMENT ("Agreement") is by Ananya Shukla, residing in New York City, New York; and, Daniel Norris, residing in New York City, New York (individual(s), collectively hereinafter "ASSIGNOR").

ASSIGNOR has conceived of one or more inventions, and/or has invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries (collectively hereinafter referred to as the "Work"), for which an application for Letters Patent in the United States (identified above) has been prepared for filing and/or has been filed with the United States Patent and Trademark Office (hereinafter the "Application"). ASSIGNOR hereby authorizes and requests the attorneys of Schwegman Lundberg & Woessner, Customer Number 132145, to insert into the header the filing date and application number of said Application when known.

AND Palantir Technologies Inc., a California corporation having offices at 100 Hamilton Avenue, Suite 300, Palo Alto, CA 94301 (hereinafter the "ASSIGNEE"), desires to acquire and confirm the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and ASSIGNOR does hereby assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, to the extent not already done so, the entire right, title, and interest

Application Data Sheet filed previously or concurrently

Docket No.: 4296.066US1 Page 2 of 4

Title: SYSTEM TO IDENTIFY VULNERABLE CARD READERS

Inventor(s): Ananya Shukla, and Daniel Norris

App. No.: 15/357,655

Filing Date: November 21, 2016

throughout the world in the Application and the Work, including all "Patent Properties" filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

- A. The Work, including without limitation any improvements thereto, whether conceived and/or reduced to practice by ASSIGNOR alone or jointly with anyone else;
- B. The Application, including without limitation any of ASSIGNOR'S inventions that may be disclosed therein, and any other applications in which the Work is disclosed; all provisional applications related thereto (including but not limited to U.S. Provisional Application No(s). ______, filed _____ (respectively if plural applications)); all nonprovisional and design applications relating to the Application or claiming the benefit of the Application and/or the aforementioned provisional application(s) that have been or may hereafter be filed in the United States or in any foreign country and all continuations, divisionals, and continuations-in-part of the Application (all of the foregoing collectively, "Related Applications"); and all U.S. and foreign patents which may be granted on the Application and the Related Applications, and all reissues, re-examinations, and extensions of such patents.
- C. All rights of priority under International Conventions and any related letters Patent which may hereafter be granted or filed in any country or countries foreign to the U.S., all extensions, renewals and reissues thereof.
- D. Any other related intellectual property rights such as, but not limited to, copyright rights, copyrightable subject matter, know how, trade secrets, designs and design rights, copyright registrations, reproduction rights, and ASSIGNOR waives any and all moral rights under 17 U.S.C. § 106A or otherwise, and consents to all acts or omissions by ASSIGNEE, its licensees and others authorized by ASSIGNEE, and its successors in title, whether occurring before or after this consent, which would otherwise constitute infringement of ASSIGNOR's moral rights, in the work or any improvement thereto.
- E. Those items of ASSIGNOR'S tangible property embodying or describing the Patent Properties, including without limitation all documents, drawings, prototypes, models, test results, designs, materials, computer programs and data, and the like, which, if not presently in the possession of ASSIGNEE, will be delivered or otherwise made available to ASSIGNEE immediately upon request.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all Patent Properties, and authorizes ASSIGNEE to make and/or file, at ASSIGNEE's sole discretion, any and all Patent Properties, and authorizes and requests the Commissioner of Patents of the U.S., and any Official of any country or countries foreign to the U.S., whose duty it is to issue patents, registrations, and certificates on applications as aforesaid, to issue all related Patent Properties to the ASSIGNEE in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all causes of action, rights of enforcement, claims for damages, and all remedies relating to the Patent Properties arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages and all proceeds for past infringements of Patent Properties before or after issuance.

Application Data Sheet filed previously or concurrently

Docket No.: 4296.066US1 Page 3 of 4

Title: SYSTEM TO IDENTIFY VULNERABLE CARD READERS

Inventor(s): Ananya Shukla, and Daniel Norris

App. No.: 15/357,655

Filing Date: November 21, 2016

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR, without further consideration or compensation, will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Patent Properties, and testify in any legal proceeding, assist in the preparation of any other Patent Properties, sign/execute all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Patent Properties, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Patent Properties in all countries. ASSIGNEE agrees to reimburse ASSIGNOR'S reasonable expenses in carrying out his/her obligations under this Agreement, but only upon ASSIGNEE'S prior written approval of such expenses which in no event shall include ASSIGNOR'S time or legal expense.

AND ASSIGNOR FURTHER AGREES AS FOLLOWS:

- A. This Agreement is binding on ASSIGNOR, its officers, agents, employees, heirs, successors, assigns, affiliates, and those entities acting under its direction and control, and shall inure to the benefit of ASSIGNEE, its successors and assigns. This Agreement, and the rights and obligations arising hereunder, are not assignable or transferable by ASSIGNOR, by operation of law or otherwise, and any attempt to do so shall be null and void. This Agreement is fully assignable by ASSIGNEE. The obligations set forth in this Agreement shall survive the term of any employment agreement or any other affiliation between the ASSIGNEE and ASSIGNOR.
- B. If ASSIGNOR cannot be located or is unable or unwilling to sign documents as required hereunder, ASSIGNOR agrees to and does hereby appoint ASSIGNEE as ASSIGNOR'S attorney-in-fact for the limited purpose of executing all documents and performing all other acts necessary to give effect and legality to the provisions of this Agreement. ASSIGNOR acknowledges that this appointment is coupled with an interest and is irrevocable.
- C. This Agreement shall be governed and construed in accordance with the laws of the state of California, U.S.A. without regard to conflicts of law provisions. The exclusive jurisdiction for any legal proceeding regarding this Agreement shall be in the state or federal courts of California, in the county of Santa Clara and the parties expressly agree that jurisdiction and venue are proper in said courts. In the event that any legal action becomes necessary to enforce or interpret the terms of this Agreement, the prevailing party shall be entitled, in addition to its court costs, to such reasonable attorneys' fees, expert witness fees and legal expenses as shall be fixed by a court of competent jurisdiction.
- D. ASSIGNOR acknowledges that, to the best of his or her knowledge, the Patent Properties are patentable and the Patent Properties are valid, and further agrees not to take any action, or to assist or request any third party, in, challenging or opposing, on any grounds whatsoever, ASSIGNEE'S rights granted under this Agreement, or the validity or enforceability of such rights. ASSIGNOR further acknowledges that ASSIGNEE'S patent counsel presenting this Agreement does not represent ASSIGNOR personally, and ASSIGNOR has the right to seek independent counsel of his or her choosing. No course of conduct or dealing between the parties shall act as an amendment, modification or waiver of any provision of this Agreement, and only an amendment, modification or waiver which is contained in a written agreement signed by both ASSIGNEE and ASSIGNOR shall be effective.

Application Data Sheet filed previously or concurrently				
Docket No.:	4296.066US1	Page 4 of 4		
Title:	SYSTEM TO IDENTIFY VULNERABLE CARD READERS Ananya Shukla, and Daniel Norris 15/357,655			
Inventor(s):				
App. No.:				
Filing Date:	November 21, 2016			
Inventors				
Ananya Shukla:		Date: 10/24/17		
Daniel Norris:		Date:		
Palantir Tech	nologies Inc.			
Sigr	nature:	Date: 26 October 2017		

Printed Name: Matt Long

PATENT REEL: 043990 FRAME: 0044

Title: Legal Counsel

Application Data Sheet filed previously or concurrently

Docket No.: 4296.066US1 Page 1 of 4

Title: SYSTEM TO IDENTIFY VULNERABLE CARD READERS

Inventor(s): Ananya Shukla, and Daniel Norris

App. No.: 15/357,655

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Docket No.: 4296.066US1 Page 2 of 4

Title: SYSTEM TO IDENTIFY VULNERABLE CARD READERS

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- D. Any other related intellectual property rights such as, but not limited to, copyright rights, copyrightable subject matter, know how, trade secrets, designs and design rights, copyright registrations, reproduction rights, and ASSIGNOR waives any and all moral rights under 17 U.S.C. § 106A or otherwise, and consents to all acts or omissions by ASSIGNEE, its licensees and others authorized by ASSIGNEE, and its successors in title, whether occurring before or after this consent, which would otherwise constitute infringement of ASSIGNOR's moral rights, in the work or any improvement thereto.
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Docket No.: 4296.066US1 Page 3 of 4

Title: SYSTEM TO IDENTIFY VULNERABLE CARD READERS

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- D. ASSIGNOR acknowledges that, to the best of his or her knowledge, the Patent Properties are patentable and the Patent Properties are valid, and further agrees not to take any action, or to assist or request any third party, in, challenging or opposing, on any grounds whatsoever, ASSIGNEE'S rights granted under this Agreement, or the validity or enforceability of such rights. ASSIGNOR further acknowledges that ASSIGNEE'S patent counsel presenting this Agreement does not represent ASSIGNOR personally, and ASSIGNOR has the right to seek independent counsel of his or her choosing. No course of conduct or dealing between the parties shall act as an amendment, modification or waiver of any provision of this Agreement, and only an amendment, modification or waiver which is contained in a written agreement signed by both ASSIGNEE and ASSIGNOR shall be effective.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently

Docket No.: 4296.066US1 Page 4 of 4 Title: SYSTEM TO IDENTIFY VULNERABLE CARD READERS Inventor(s): Ananya Shukla, and Daniel Norris App. No.: 15/357,655 Filing Date: November 21, 2016 Inventors Ananya Shukla: Date:_____ 2017-10-25 Daniel Norris: Date:

Palantir Technologies Inc.

RECORDED: 10/31/2017

Signature: Date: 26 October 2017

Printed Name: Matt Long Title: Legal Counsel