PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4864413

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID LISUK	01/16/2018
GUODONG XU	02/06/2018
LUIS VOLOCH	03/06/2018
MATTHEW ELKHERJ	01/15/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 2

Property Type	Number		
Application Number:	15670304		
Application Number:	62483815		

CORRESPONDENCE DATA

Fax Number: (650)815-2601

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SHEPPARD MULLIN RICHTER & HAMPTON LLP **Correspondent Name:**

379 LYTTON AVENUE Address Line 1:

Address Line 2: ALEX Y. NIE

Address Line 4: PALO ALTO, CALIFORNIA 94301

	PATENT
	This document serves as an Oath/Declaration (37 CFR 1.63).
DATE SIGNED:	03/13/2018
SIGNATURE:	/Alex Y. Nie/
NAME OF SUBMITTER:	ALEX Y. NIE
ATTORNEY DOCKET NUMBER:	53HV-252032-US

REEL: 045193 FRAME: 0215

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Total Attachments: 7 source=252032-US_ExecutedAssignment#page1.tif source=252032-US_ExecutedAssignment#page2.tif source=252032-US_ExecutedAssignment#page3.tif source=252032-US_ExecutedAssignment#page4.tif source=252032-US_ExecutedAssignment#page5.tif source=252032-US_ExecutedAssignment#page6.tif source=252032-US_ExecutedAssignment#page7.tif

PATENT REEL: 045193 FRAME: 0216

	COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently		
Docket No.:	827A	Page 1 of 4	
Title:	SYSTEMS AND METHODS FOR VALIDATING DATA		
Inventor(s):	David Lisuk, Guodong Xu, Luis Voloch, Matthew Elkherj		
App. No.: 15/670,384			
Filing Date: August 7, 2017			
Declaration This Declaration	on is directed to the application identified above that:		
	is being filed concurrently herewith,		
⊠ above Declai	 Was filed as the United States application or PCT international application identified and incorporating any amendments made thereto prior to the signature date of this ration. 		

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 David Lisuk, residing in New York, NY; and, Guodong Xu, residing in Shoreline, WA; and, Luis Voloch, residing in Brooklyn, NY; and Matthew Elkherj, residing in Palo Alto, CA; (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 Sheppard Multin Richter & Hampton LLP, Customer Number 143846, 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,

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SMRH:483689827.1

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.:

827A

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Title:

SYSTEMS AND METHODS FOR VALIDATING DATA

Inventor(s):

David Lisuk, Guodong Xu, Luis Voloch, Matthew Elkherj

App. No.:

15/670,304

Filing Date:

August 7, 2017

legal representatives and assigns, to the extent not already done so, the entire right, title, and interest 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)**. 62/483,815, filed April 10, 2017 (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

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SMRH:483689827.1

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.:

827A

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Title:

SYSTEMS AND METHODS FOR VALIDATING DATA

Inventor(s):

David Lisuk, Guodong Xu, Luis Voloch, Matthew Elkherj

App. No.:

15/670,304

Filing Date:

August 7, 2017

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.

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 ASSIGNOR 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

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Title:	SYSTEMS AND METHODS FOR VALIDATING DATA			
Inventor(s):	David Lisuk, Guodong Xu, Luis Voloch, Matthew Elkherj			
App. No.:	15/670,304			
Filing Date:	August 7, 20	17		
		dment, modification or waiver which in SNOR shall be effective.	is contained in	a written agreement signed
Inventors	David Lisuk:	Dank und	Date:	1/16/18
	Guodong Xu:		Date:	
	Luis Voloch:		Date:	with a consequency of a grown and a constraint of the property of property of the property of
Ma	tthew Elkherj:		Date:	
Palantir Techn	nologies Inc. Signature:	Matt Long	Date:	03-09-2018
F	Printed Name:	Matt Long	Title:	Legal Counsel

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		D DECLARATION & ASSI Application Data Sheet filed previ		
Docket No.:	827A Page 4 of SYSTEMS AND METHODS FOR VALIDATING DATA			Page 4 of 4
Title:				
Inventor(s):	David Lisuk,	Guodong Xu, Luis Voloch, Mai	tthew Elkherj	
App. No.:	15/670,304	15/670,304		
Filing Date:	August 7, 2017			
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	Guodong Xu:	Gwodony Xu	Date:	2.6 2018
	Luis Voloch:		Date:	
Ma	atthew Elkherj:		Date:	- nagarikang nagakan prosent nagalap di disebutika di nagarika di disebutika di nagari prosent nagari per s
Palantir Tech	nologies Inc.	Mr. 1. 10 -	· ve	
	Signature:	Matt 2 on	Date	03-09-2018
	Drinted Name:	Matt Long	Title	Legal Counsel

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SMRH:483689827.1

PATENT REEL: 045193 FRAME: 0221

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

Docket No.:	827A	Page 4 of 4			
Title:	SYSTEMS AND METHODS FOR	VALIDATING DATA			
Inventor(s):	App. No.: 15/670,304				
App. No.:					
Filing Date:					
Agreement, as by both ASSIC	nd only an amendment, modification of SNEE and ASSIGNOR shall be effect	or walver which is contained in a written agreement signed live.			
Inventors					
	David Lisuk:	Daté:			
	Guodong Xu:	Date:			
	Luis Voloch Tinta	Date: March 6, 2015			
	Matthew Elkhen:	Date:			
Palantir Te	chnelogies inc	9			
	Signature				
	Printed Name:Matt Long	Title: <u>Legal Counsel</u>			

REEL: 045193 FRAME: 0222

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently				
Docket No.:				Page 4 of 4
Title:				
Inventor(s):				
App. No.:	15/670,304			
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	Guodong Xu: _		Date: _	
	Luis Voloch:			andrews de la lactic de lactic de la lactic de lactic de la lactic de lac
M	latthew Elkherj: _		Date:	1/15/2018
Palantir Tecl	hnologies Inc.	Matt 200	and the second s	22.22.22.2
	Signature:		Date:	03-09-2018
	Printed Name:	Matt Long	Title	Legal Counsel

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RECORDED: 03/13/2018

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PATENT REEL: 045193 FRAME: 0223