505028515 07/31/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5075265

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AMR AL MALLAH	04/03/2018
MAHMOUD ABDELSALAM	07/20/2018
PETER WANG	07/20/2018
MICHAEL NAZARIO	04/04/2018
VIVEK LAKSHMANAN	05/10/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15940740	

CORRESPONDENCE DATA

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Correspondent Name: SHEPPARD MULLIN RICHTER & HAMPTON LLP

Address Line 1: 379 LYTTON AVENUE

Address Line 2: ALEX Y. NIE

Address Line 4: PALO ALTO, CALIFORNIA 94301

ATTORNEY DOCKET NUMBER:	53HV-265319-US
NAME OF SUBMITTER:	ALEX Y. NIE
SIGNATURE:	/Alex Y. Nie/
DATE SIGNED:	07/31/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

505028515 REEL: 046511 FRAME: 0450

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Total Attachments: 7 source=265319-US_ExecutedAssignment#page1.tif source=265319-US_ExecutedAssignment#page2.tif source=265319-US_ExecutedAssignment#page3.tif source=265319-US_ExecutedAssignment#page4.tif source=265319-US_ExecutedAssignment#page5.tif source=265319-US_ExecutedAssignment#page6.tif source=265319-US_ExecutedAssignment#page7.tif

PATENT REEL: 046511 FRAME: 0451

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently 1019A Docket No.: Page 1 of 4 Title: MANAGEMENT OF SOFTWARE BUGS IN A DATA PROCESSING SYSTEM Inventor(s): Amr Al Mallah, Mahmoud Abdelsalam, Michael Nazario, Peter Wang, Vivek Lakshmanan 15/940,740 App. No.: Filing Date: March 29, 2018 Declaration This Declaration is directed to the application identified above that: is being filed concurrently herewith. -ORwas 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 Amr Al Mallah, residing in New York (USA); and, Mahmoud Abdelsalam, residing in Washington (USA); and, Michael Nazario, residing in New York (USA); and, Peter Wang, residing in Washington (USA); and, Vivek Lakshmanan, residing in Washington (USA) (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 Mullin Richter & Hampton, LLP, Customer Number 143836, 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.

SMRH:485851049.1

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

Application Data Sheet filed previously or concurrently

Docket No.:

1019A

Page 2 of 4

Title:

MANAGEMENT OF SOFTWARE BUGS IN A DATA PROCESSING

SYSTEM

Inventor(s):

Amr Al Mallah, Mahmoud Abdelsalam, Michael Nazario, Peter Wang,

Vivek Lakshmanan

App. No.:

15/940,740

Filing Date:

March 29, 2018

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 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 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.

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

Application Data Sheet filed previously or concurrently

Docket No.:

1019A

Page 3 of 4

Title:

MANAGEMENT OF SOFTWARE BUGS IN A DATA PROCESSING

SYSTEM

Inventor(s):

Amr Al Mallah, Mahmoud Abdelsalam, Michael Nazario, Peter Wang,

Vivek Lakshmanan

App. No.:

15/940,740

Filing Date:

March 29, 2018

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.

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.

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Docket No.:	1019A	The state of the s	naniana de la constanta de la		Page 4 of 4
Title:	MANAGEMENT OF SOFTWARE BUGS IN A DATA PROCESSING SYSTEM				
inventor(s):	Amr Al Malla Vivek Lakshr	h, Mahmoud Abde nanan	elsalam, Michael I	Nazario, Pete	r Wang,
App. No.:	15/940,740				
Filing Date:	March 29, 2018				
under this Agre ASSIGNEE'S ASSIGNOR hadealing between Agreement, an	eement, or the patent counsel as the right to en the parties of only an amen	validity or enforceal presenting this Ac seek independent of shall act as an an	bility of such rights preement does not counsel of his or la nendment, modific or waiver which is	. ASSIGNOR t represent AS her choosing. ation or waive	SSIGNEE'S rights granted further acknowledges that SSIGNOR personally, and No course of conduct or er of any provision of this written agreement signed
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	d Abdelsalam:				
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	Signature:	Mat 200	and the second s	Date:	7/27/2018
	Printed Name:	Matt Long		Title:	Legal Counsel

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Docket No.:	1019A	The state of the s		Page 4 of	
Title:	MANAGEMENT OF SOFTWARE BUGS IN A DATA PROCESSING SYSTEM Amr Al Mallah, Mahmoud Abdelsalam, Michael Nazario, Peter Wang, Vivek Lakshmanan				
Inventor(s):					
App. No.:	15/940,740				
Filing Date:	March 29, 2018				
request any the under this Agreement, as by both ASSK	nird party, in, cha reement, or the patent counsel nas the right to sen the parties nd only an amer GNEE and ASSI	t Properties are valid, and fur allenging or opposing, on any validity or enforceability of su presenting this Agreement seek independent counsel or shall act as an amendment, adment, modification or waiver GNOR shall be effective.	grounds whatsoever, A ch rights. ASSIGNOR does not represent A! f his or her choosing. modification or waive which is contained in a	SSIGNEE'S rights granted further acknowledges that SSIGNOR personally, and No course of conduct or er of any provision of this	
Inventors					
	Amr Al Mallah:		Date:		
Mahmou	ud Abdelsalam:	Malimoud Abdelsalam	Date:	7/20/2018	
M	ichael Nazario:	***************************************	Date:		
		Peter Wang		7/20/2018	
Vivek		***************************************		***************************************	
Palantir Tech	nologies Inc.				
	Signature:	Matt Long	Date:	7/27/2018	
		Matt Long		Legal Counsel	

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Docket No.: 10	19A				Page 4 of 4
	MANAGEMENT OF SOFTWARE BUGS IN A DATA PROCESSING SYSTEM				
	Amr Al Mallah, Mahmoud Abdelsalam, Michael Nazario, Peter Wang, Vivek Lakshmanan				
App. No.: 15	15/940,740				
Filing Date: Ma	ırch 29, 201	8			
are patentable and request any third punder this Agreem ASSIGNEE'S pate ASSIGNOR has to dealing between the Agreement, and or	I the Patent arty, in, chall ent, or the v ent counsel he right to s he parties s nly an ameno	Properties are valid, a lenging or opposing, or validity or enforceability presenting this Agree seek independent cour shall act as an ameno dment, modification or GNOR shall be effective		take any action, or to er, ASSIGNEE'S righ NOR further acknowle nt ASSIGNOR perso ing. No course of c vaiver of any provisi d in a written agreeme	o assist or its granted edges that nally, and conduct or on of this ent signed
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Michae	el Nazario: (nichael Naza	D	ate: <u>04/04</u>	
Pe	eter Wang:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	D	ate:	ommente de la commence de la commenc
Vivek Lak	shmanan: ्			ate:	
Palantir Technolo	gies Inc.				
	Signature:	Matt 2 mg	·	Pate: 7/27/2018	GARRAGOOGGEOGGEOGGEOGGEOGGEOGGEOGGEOGGEOGGEO
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Docket No.:	1019A Page 4			
Title:	MANAGEMENT OF SOFTWARE BUGS IN A DATA PROCESSING SYSTEM			
Inventor(s):	Amr Al Mallah, Mahmoud Abdelsalam, Michael Nazario, Peter Wang, Vivek Lakshmanan			
App. No.:	15/940,740			
Filing Date:	March 29, 2018			
request any the under this Agrical ASSIGNEE'S ASSIGNOR he dealing betwee Agreement, as	e and the Patent Properties are valid, and furth hird party, in, challenging or opposing, on any go reement, or the validity or enforceability of suc- patent counsel presenting this Agreement do has the right to seek independent counsel of een the parties shall act as an amendment, and only an amendment, modification or waiver of SNEE and ASSIGNOR shall be effective.	t of his or her knowledge, the Patent Properties her agrees not to take any action, or to assist or rounds whatsoever, ASSIGNEE'S rights granted the rights. ASSIGNOR further acknowledges that oes not represent ASSIGNOR personally, and his or her choosing. No course of conduct or modification or waiver of any provision of this which is contained in a written agreement signed		
Inventors				
	Amr Al Mallah:	Date:		
Mahmou	ıd Abdelsalam:	Date:		
Mi	ichael Nazario:	Date:		
	Peter Wang:	Date:		
Vivek	Peter Wang:	Date: 05/10/2018		
Palantir Tech		7/27/2019		
	Signature: Mat Som	Date: 7/27/2018		
	Printed Name: Matt Long	Title: Legal Counsel		

SMRH:485851049.1

RECORDED: 07/31/2018

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PATENT REEL: 046511 FRAME: 0458