504975286 06/25/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5022032

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| AAKASH GOENKA | | 04/08/2016 |
| ARZAV JAIN | | 04/11/2016 |
| ALEXANDER TAHERI | | 04/15/2016 |
| DANIEL ISAZA | | 06/19/2018 |
| JACK ZHU | | 04/26/2016 |
| WILLIAM MANSON | | 04/12/2016 |
| VEHBI DEGER TURAN | | 06/24/2016 |

STANISLAW JASTRZEBSKI

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: | 15071886 |
| Application Number: | 62280867 |

CORRESPONDENCE DATA

| Fax Number: | (949)760-9502 |
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| Address Line 2: | 14TH FLOOR |
| Address Line 4: | IRVINE, CALIFORNIA 92614 |
| | |

ATTORNEY DOCKET NUMBER: PALA

PALAN.617A/PR

PATENT REEL: 046422 FRAME: 0001

04/19/2016

| NAME OF SUBMITTER: | SCOTT CROMAR |
|----------------------------------|--|
| SIGNATURE: | /Scott Cromar/ |
| DATE SIGNED: | 06/25/2018 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |
| Total Attachments: 32 | • |
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| | COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently | |
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| Docket No.: | PALAN.617A | Page 1 of 4 |
| Title: | DATABASE SYSTEMS AND USER INTERFACES FOR DYNAMIC AND INTERACTIVE MOBILE IMAGE ANALYSIS AND IDENTIFICATION | |
| Inventor(s): | Aakash Goenka, Arzav Jain, Alexander Taheri, Daniel Isaza, Jack Zhu, William Manson, Vehbi Deger Turan, and Stanislaw Jastrzebski | |
| App. No.: | 15/071,886 | |
| Filing Date: | March 16, 2016 | |

This Declaration is directed to the application identified above that:

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 Aakash Goenka, residing in London, England, Arzav Jain, residing in Santa Clara, CA, Alexander Taheri, residing in New York, NY, Daniel Isaza, residing in Redmond, WA, Jack Zhu, residing in Stanford, CA, William Manson residing in Palo Alto, CA, Vehbi Deger Turan, residing in Stanford, CA, and Stanislaw Jastrzebski, residing in Krakow, Poland (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 Knobbe, Martens, Olson & Bear, LLP, Customer No. 115374, to insert into the header the filing date and application number of said Application when known.

AND Palantir Technologies Inc., a Delaware 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

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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). 62/280,867, filed January 20, 2016); 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.

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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 caths 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 entitles acting under its direction and control, and shell 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 lixed 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

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| Filing Date: | March 16, 2016 | |

| Inventors | we w | | |
|---|-----------|---|--------|
| Aakash Goenka: | Not fourt | Date: 8th April, 2016 | m. |
| Arzav Jain: | 8 | Date: | - |
| Alexander Taheri: | | Date: | • |
| Daniel Isaza: | | Cate: | - |
| Jack Zhu: | | Date: | - - |
| William Manson: | | Daie: | ~ |
| Vehbl Deger Turan: | | Date: | ~ |
| Stanislaw Jastrzebski: | | Dale: | ~ |
| Palantir Technologies Inc. Signature: Printed Name: | | Date: 23 May 2018 Title: Legal Counsel | ~ |

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| Inventors | | |
|--|-------------|----------------------|
| Aakash Goenka: | | Date: |
| Arzav Jain: | <u>}</u> | Date:04/11/2016 |
| Alexander Taheri: | | Date: |
| Daniel Isaza: | | Date: |
| Jack Zhu: | | Date: |
| William Manson: | | Date: |
| Vehbi Deger Turan: | | Date: |
| Stanislaw Jastrzebski: | | Date: |
| Palantir Technologies Inc. Signature: | Matt 2 mg - | Date: 23 May 2018 |
| Printed Name: | U U | Title: Legal Counsel |

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| Docket No.: | PALAN.617A | Page 3 of 4 |
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| Inventor(s): | Aakash Goenka, Arzav Jain, Alexander Taheri, Daniel Isaza, Jack Zhu, William Manson, Vehbi Deger Turan, and Stanislaw Jastrzebski | |
| App. No.: | 15/071,886 | |
| Filing Date: | March 16, 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.

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| Inventors | | |
|----------------------------|------------------|----------------------|
| Aakash Goenka: | | Date: |
| Arzav Jain: | | Date: |
| Alexander Taheri: | aldy | Date: 04/15/2016 |
| | | Date: |
| Jack Zhu: | | Date: |
| William Manson: | | Date: |
| Vehbi Deger Turan: | | Date: |
| Stanislaw Jastrzebski: | | Date: |
| | | |
| Palantir Technologies Inc. | | |
| Signature: | <u>Made Some</u> | Date: 23 May 2018 |
| Printed Name: | | Title: Legal Counsel |

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| App. No.: | 15/071,886 | |
| Filing Date: | March 16, 2016 | |

| Inventors | | | |
|--|--------------|---------|---------------|
| Aakash Goenka: | | Date: _ | |
| Arzav Jain: | | Date: _ | |
| Alexander Taheri: | | Date: | |
| Daniel Isaza: | Daniel Asaza | Date: _ | 06/19/2018 |
| | | Date: | |
| William Manson: | | Date: | |
| Vehbi Deger Turan: | | Date: _ | |
| Stanislaw Jastrzebski: | | Date: | |
| Palantir Technologies Inc. Signature: | Mate 2mg | Date: _ | 22 June 2018 |
| Printed Name: | Matt Long | Title: | Legal Counsel |

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| Daniel Isaza: | | Date: |
| Jack Zhu: | 4 Am | Date: 04/26/2016 |
| | | Date: |
| Vehbi Deger Turan: | | Date: |
| Stanislaw Jastrzebski: | | Date: |
| Palantir Technologies Inc. Signature: | Matt 2000 | Date: 23 May 2018 |
| Printed Name: | | Title: Legal Counsel |

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| Inventor(s): | Aakash Goenka, Arzav Jain, Alexander Taheri, Daniel Isaza, Jack Zhu, William Manson, Vehbi Deger Turan, and Stanislaw Jastrzebski | |
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| Aakash Goenka: | | Date: |
| Arzav Jain: | * * | Date: |
| Alexander Taheri: | · | Date: |
| Daniel Isaza: | | Date: |
| Jack Zhu: | | Date: |
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| | | Date: |
| Palantir Technologies Inc. | 17h | |
| Signature: | Malt Same | Date: 23 May 2018 |
| Printed Name: | Matt Long | Title: Legal Counsel |

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Assignment from Inventor(s)

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| Inventors | | ، |
| Aakash Goenka: _ | | Date: |
| Arzav Jain: _ | · · · · · · · · · · · · · · · · · · · | Date: |
| Alexander Taheri: | | Date: |
| Daniel Isaza: _ | | Date: |
| Jack Zhu: | | Date: |
| William Manson: | | Date: |
| | WegerZuren. | Date: June 24, 2016 |
| Stanislaw Jastrzebski: | | Date: |
| Palantir Technologies Inc. | 11h i. in | |
| Signature: | Matt Som | Date:23 May 2018 |
| Printed Name: | Matt Long | Title: Legal Counsel |

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| Inventors | akash Goenka: | |
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| Inventors A | akash Goenka: | Date: Date: |
| Inventors A | akash Goenka: Arzav Jain: | Date: Date: Date: |
| Inventors A | akash Goenka: Arzav Jain: exander Taheri: | Date: Date: Date: Date: |
| Inventors A | akash Goenka: Arzav Jain: exander Taheri: Daniel Isaza: | Date: Date: Date: Date: Date: Date: Date: |
| Inventors Al | akash Goenka: Arzav Jain: exander Taheri: Daniel Isaza: Jack Zhu: | Date: Date: Date: Date: Date: Date: Date: |

Palantir Technologies Inc.

Signature:

Printed Name: Matt Long

Matt Long

23 May 2018 Date: Title: Legal Counsel

22934313

PATENT REEL: 046422 FRAME: 0034

RECORDED: 06/25/2018