

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7786597

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN O'BRIEN	06/07/2017
ADVAYA KRISHNA	06/07/2017
AMR AL MALLAH	06/07/2017
ANDREW POH	06/12/2017
CHRISTOPHER YU	08/16/2017
DANIEL PULLER	07/25/2017
DYLAN COOKE	06/07/2017
JASON CHLIPALA	06/26/2017
MARK CINALI	10/21/2018
RANDALL DORIN	03/06/2018
ROBERT BARTON	07/23/2017
SAMUEL SINENSKY	06/14/2017
WILLIAM SEATON	08/28/2017
MITCHELL MORANIS	07/24/2017
RECEIVING PARTY DATA	
Name:	PALANTIR TECHNOLOGIES INC.
Street Address:	1200 17TH STREET, FLOOR 15
City:	DENVER
State/Country:	COLORADO
Postal Code:	80202
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17646453
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<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:	9497600404
Email:	efiling@knobbe.com

Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP
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Address Line 2: 14TH FLOOR
Address Line 4: IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER: PALAN.626C2

NAME OF SUBMITTER: DAVID M COHEN

SIGNATURE: /David M Cohen/

DATE SIGNED: 02/08/2023

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 70

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

Docket No.: PALAN.626A

Page 1 of 5

Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION

Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chilpala, Mark Cinnell, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton

App. No.: 15/389,197

Filing Date: December 22, 2016

Declaration

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 John O'Brien, residing in New York, NY, Advaya Krishna, residing in New York, NY, Amr Al Mallah, residing in New York, NY, Andrew Poh, residing in San Francisco, CA, Christopher Yu, residing in Culver City, CA, Daniel Fuller, residing in New York, NY, Dylan Cooke, residing in New York, NY, Jason Chilpala, residing in Los Angeles, CA, Mark Cinnell, residing in New York, NY, Nicholas Perry, residing in San Francisco, CA, Randall Dorin, residing in New York, NY, Robert Barton, residing in Hoboken, NJ, Samuel Sinensky, residing in New York, NY, and William Seaton residing in New York, NY (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.

PATENT**REEL: 062828 FRAME: 0269**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 2 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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 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; 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

PATENT**REEL: 062828 FRAME: 0270**

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

Docket No.: PALAN.826A

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Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION

Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chlipala, Mark Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton

App. No.: 15/389,197

Filing Date: December 22, 2016

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.

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

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

Docket No.: **PALAN.626A**

Page 4 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chiipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**

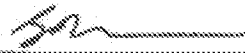
App. No.: **15/389,197**

Filing Date: **December 22, 2016**

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.

Inventors

John O'Brien:  Date: 06/07/17

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chiipala: _____ Date: _____

Mark Cinali: _____ Date: _____

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

Application Data Sheet filed previously or concurrently

Docket No.: **PALAN.628A**

Page 5 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Palantir Technologies Inc.

Signature: *Matt Long*

Date: 10/23/2018

Printed Name: Matt Long

Title: Legal Counsel

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 1 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016*****Declaration***

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 **John O'Brien**, residing in New York, NY, **Advaya Krishna**, residing in New York, NY, **Amr Al Mallah**, residing in New York, NY, **Andrew Poh**, residing in San Francisco, CA, **Christopher Yu**, residing in Culver City, CA, **Daniel Puller**, residing in New York, NY, **Dylan Cooke**, residing in New York, NY, **Jason Chlipala**, residing in Los Angeles, CA, **Mark Cinali**, residing in New York, NY, **Nicholas Perry**, residing in San Francisco, CA, **Randall Dorin**, residing in New York, NY, **Robert Barton**, residing in Hoboken, NJ, **Samuel Sinensky**, residing in New York, NY, **William Seaton** residing in New York, NY, and **Mitchell Moranis** residing in New York, NY (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.**

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Page 2 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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 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; 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

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Page 3 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
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Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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

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

Application Data Sheet filed previously or concurrently

Docket No.: PALAN.626A

Page 4 of 5

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Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton

App. No.: 15/389,197

Filing Date: December 22, 2016

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.

Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: Advaya Krishna Date: 06/07/2017

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chilpala: _____ Date: _____

Mark Cinall: _____ Date: _____

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

Application Data Sheet filed previously or concurrently

Docket No.: **PALAN.626A**

Page 5 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

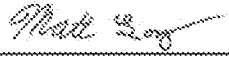
Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Mitchell Moranis: _____ Date: _____

Palantir Technologies Inc.

Signature: 

Date: 10/23/2018

Printed Name: Matt Long

Title: Legal Counsel

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

Docket No.: PALAN.626A

Page 1 of 5

Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATIONInventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chilpala, Mark
Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton

App. No.: 15/389,197

Filing Date: December 22, 2016

Declaration

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 John O'Brien, residing in New York, NY, Advaya Krishna, residing in New York, NY, Amr Al Mallah, residing in New York, NY, Andrew Poh, residing in San Francisco, CA, Christopher Yu, residing in Culver City, CA, Daniel Fuller, residing in New York, NY, Dylan Cooke, residing in New York, NY, Jason Chilpala, residing in Los Angeles, CA, Mark Cinall, residing in New York, NY, Nicholas Perry, residing in San Francisco, CA, Randall Dorin, residing in New York, NY, Robert Barton, residing in Hoboken, NJ, Samuel Sinensky, residing in New York, NY, and William Seaton residing in New York, NY (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.

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DATA ASSOCIATION, ANALYSIS, AND PRESENTATIONInventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark
Cinalli, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton

App. No.: 15/388,197

Filing Date: December 22, 2016

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 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; 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

PATENT**REEL: 062828 FRAME: 0280**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 3 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
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William Seaton**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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

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

Application Data Sheet filed previously or concurrently

Docket No.: PALAN.626A

Page 4 of 5

Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION

Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton

App. No.: 15/389,197

Filing Date: December 22, 2016

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Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: ~~_____~~ Date: 7 June 2017

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chilpala: _____ Date: _____

Mark Cinall: _____ Date: _____

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))
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Page 5 of 5

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Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chilpaia, Mark Cinall, Nicholas Ferry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

Nicholas Ferry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Palantir Technologies Inc.

Signature:  Date: 10/23/2018

Printed Name: Matt Long Title: Legal Counsel

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

Docket No.: PALAN.626A

Page 1 of 5

Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
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Filing Date: December 22, 2016

Declaration

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COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 2 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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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. § 108A 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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PATENT**REEL: 062828 FRAME: 0285**

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Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
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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.

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Page 4 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**

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Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh:  _____ Date: 6/12/17

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chilpala: _____ Date: _____

Mark Cinali: _____ Date: _____

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App. No.: 15/389,197

Filing Date: December 22, 2016

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Palantir Technologies Inc.

Signature: *Matt Long* Date: 10/23/2016

Printed Name: Matt Long Title: Legal Counsel

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Declaration

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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.

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Filing Date: December 22, 2016

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 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; 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

PATENT**REEL: 062828 FRAME: 0290**

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

Docket No.: PALAN.526A

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Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATIONInventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark
Cinail, Nicholas Perry, Randall Corin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis

App. No.: 15/389,197

Filing Date: December 22, 2016

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.

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

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

Application Data Sheet filed previously or concurrently

Docket No.: **PALAN.626A**

Page 4 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

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.

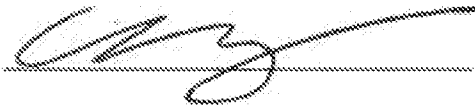
Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu:  _____ Date: 8/16/17

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chilpala: _____ Date: _____

Mark Cinali: _____ Date: _____

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Page 5 of 5

Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION

Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chilpala, Mark Cinalli, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis

App. No.: 15/389,197

Filing Date: December 22, 2016

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Mitchell Moranis: _____ Date: _____

Palantir Technologies Inc.

Signature: Matt Long Date: 10/23/2018

Printed Name: Matt Long Title: Legal Counsel

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

Docket No.: PALAN.626A

Page 1 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

App. No.: 15/389,197

Filing Date: December 22, 2016

Declaration

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 John O'Brien, residing in New York, NY, Advaya Krishna, residing in New York, NY, Amr Al Mallah, residing in New York, NY, Andrew Poh, residing in San Francisco, CA, Christopher Yu, residing in Culver City, CA, Daniel Puller, residing in New York, NY, Dylan Cooke, residing in New York, NY, Jason Chilpala, residing in Los Angeles, CA, Mark Cinali, residing in New York, NY, Nicholas Perry, residing in San Francisco, CA, Randall Dorin, residing in New York, NY, Robert Barton, residing in Hoboken, NJ, Samuel Sinensky, residing in New York, NY, William Seaton residing in New York, NY, and Mitchell Moranis residing in New York, NY (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.

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

Docket No.: PALAN.626A

Page 2 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooks, Jason Chilpala, Mark Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

App. No.: 15/389,197

Filing Date: December 22, 2016

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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; 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

PATENT**REEL: 062828 FRAME: 0295**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 3 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chilpala, Mark
Cinalli, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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

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

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Docket No.: **PALAN.626A**

Page 4 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinansky, William Seaton, Mitchell Moranis**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

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.

Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller:  _____ Date: 7/25/2017

Dylan Cooke: _____ Date: _____

Jason Chilpala: _____ Date: _____

Merk Cinall: _____ Date: _____

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))
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Docket No.: **PALAN.626A** Page 5 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

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App. No.: **15/389,197**

Filing Date: **December 22, 2016**

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Mitchell Moranis: _____ Date: _____

Palantir Technologies Inc.

Signature:  Date: 10/23/2018

Printed Name: Matt Long Title: Legal Counsel

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 1 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
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Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton**App. No.: **15/389,197**Filing Date: **December 22, 2016*****Declaration***

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 **John O'Brien**, residing in New York, NY, **Advaya Krishna**, residing in New York, NY, **Amr Al Mallah**, residing in New York, NY, **Andrew Poh**, residing in San Francisco, CA, **Christopher Yu**, residing in Culver City, CA, **Daniel Puller**, residing in New York, NY, **Dylan Cooke**, residing in New York, NY, **Jason Chlipala**, residing in Los Angeles, CA, **Mark Cinall**, residing in New York, NY, **Nicholas Perry**, residing in San Francisco, CA, **Randall Dorin**, residing in New York, NY, **Robert Barton**, residing in Hoboken, NJ, **Samuel Sinensky**, residing in New York, NY, and **William Seaton** residing in New York, NY (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.**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 2 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
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William Seaton**App. No.: **15/388,197**Filing Date: **December 22, 2016**

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COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

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William Seaton**App. No.: **15/388,197**Filing Date: **December 22, 2016**

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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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

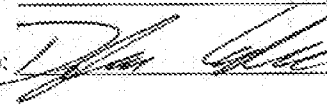
COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))
Application Data Sheet filed previously or concurrently

Docket No.: **PALAN.626A** Page 4 of 5
Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**
Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**
App. No.: **15/398,187**
Filing Date: **December 22, 2016**

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.

Inventors

John O'Brien: _____	Date: _____
Advaya Krishna: _____	Date: _____
Amr Al Mallah: _____	Date: _____
Andrew Poh: _____	Date: _____
Christopher Yu: _____	Date: _____
Daniel Fuller: _____	Date: _____
Dylan Cooke:  _____	Date: <u>June 7th, 2017</u>
Jason Chilpala: _____	Date: _____
Mark Cinali: _____	Date: _____

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

Application Data Sheet filed previously or concurrently

Docket No.: **PALAN.626A**

Page 5 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**

App. No.: **15/389,197**

Filing Date: **December 22, 2018**

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Palantir Technologies Inc.

Signature: *Matt Long* Date: 10/23/2018

Printed Name: Matt Long Title: Legal Counsel

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 1 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark
Cinalli, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016*****Declaration***

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 John O'Brien, residing in New York, NY, Advaya Krishna, residing in New York, NY, Amr Al Mallah, residing in New York, NY, Andrew Poh, residing in San Francisco, CA, Christopher Yu, residing in Culver City, CA, Daniel Puller, residing in New York, NY, Dylan Cooke, residing in New York, NY, Jason Chlipala, residing in Los Angeles, CA, Mark Cinalli, residing in New York, NY, Nicholas Perry, residing in San Francisco, CA, Randall Dorin, residing in New York, NY, Robert Barton, residing in Hoboken, NJ, Samuel Sinensky, residing in New York, NY, William Seaton residing in New York, NY, and Mitchell Moranis residing in New York, NY (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.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 2 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark
Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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 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; 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

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 3 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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

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

Docket No.: **PALAN.626A** Page 4 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

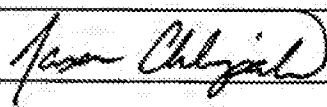
App. No.: **15/389,197**

Filing Date: **December 22, 2016**

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.

Inventors

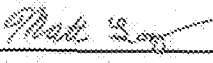
John O'Brien:	_____	Date:	_____
Advaya Krishna:	_____	Date:	_____
Amr Al Mallah:	_____	Date:	_____
Andrew Poh:	_____	Date:	_____
Christopher Yu:	_____	Date:	_____
Daniel Puller:	_____	Date:	_____
Dylan Cooke:	_____	Date:	_____
Jason Chlipala:		Date:	<u>6/26/17</u>
Mark Cinali:	_____	Date:	_____

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))
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Docket No.: **PALAN.626A** Page 5 of 5
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App. No.: **15/389,197**
Filing Date: **December 22, 2016**

Nicholas Perry: _____ Date: _____
Randall Dorin: _____ Date: _____
Robert Barton: _____ Date: _____
Samuel Sinensky: _____ Date: _____
William Seaton: _____ Date: _____
Mitchell Moranis: _____ Date: _____

Palantir Technologies Inc.

Signature:  Date: 10/23/2018
Printed Name: Matt Long Title: Legal Counsel

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 1 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016*****Declaration***

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 **John O'Brien**, residing in New York, NY, **Advaya Krishna**, residing in New York, NY, **Amr Al Mallah**, residing in New York, NY, **Andrew Poh**, residing in San Francisco, CA, **Christopher Yu**, residing in Culver City, CA, **Daniel Puller**, residing in New York, NY, **Dylan Cooke**, residing in New York, NY, **Jason Chlipala**, residing in Los Angeles, CA, **Mark Cinali**, residing in New York, NY, **Nicholas Perry**, residing in San Francisco, CA, **Randall Dorin**, residing in New York, NY, **Robert Barton**, residing in Hoboken, NJ, **Samuel Sinensky**, residing in New York, NY, **William Seaton** residing in New York, NY, and **Mitchell Moranis** residing in New York, NY (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.**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

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Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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 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; 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

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 3 of 5

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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.

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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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

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

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Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

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.

Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chlipala: _____ Date: _____

Mark Cinali:  _____ Date: 10/21/2018

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App. No.: **15/389,197**

Filing Date: **December 22, 2016**

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

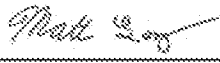
Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Mitchell Moranis: _____ Date: _____

Palantir Technologies Inc.

Signature: 

Date: 10/23/2018

Printed Name: Matt Long

Title: Legal Counsel

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 1 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016*****Declaration***

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 **John O'Brien**, residing in New York, NY, **Advaya Krishna**, residing in New York, NY, **Amr Al Mallah**, residing in New York, NY, **Andrew Poh**, residing in San Francisco, CA, **Christopher Yu**, residing in Culver City, CA, **Daniel Puller**, residing in New York, NY, **Dylan Cooke**, residing in New York, NY, **Jason Chlipala**, residing in Los Angeles, CA, **Mark Cinali**, residing in New York, NY, **Nicholas Perry**, residing in San Francisco, CA, **Randall Dorin**, residing in New York, NY, **Robert Barton**, residing in Hoboken, NJ, **Samuel Sinensky**, residing in New York, NY, **William Seaton** residing in New York, NY, and **Mitchell Moranis** residing in New York, NY (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.**

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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 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; 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

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William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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

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

Application Data Sheet filed previously or concurrently

Docket No.: **PALAN.626A**

Page 4 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

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.

Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chlipala: _____ Date: _____

Mark Cinali: _____ Date: _____

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

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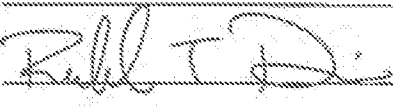
Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION

Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis

App. No.: 15/389,197

Filing Date: December 22, 2016

Nicholas Perry: _____ Date: _____

Randall Dorin:  _____ Date: 03/06/2018

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Mitchell Moranis: _____ Date: _____

Patentir Technologies Inc.

Signature:  _____ Date: 10/23/2016

Printed Name: Matt Long _____ Title: Legal Counsel

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

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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.

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Assignment from Inventor(s)

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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.

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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

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Cinalli, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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.

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Inventors

John O'Brien: _____	Date: _____
Advaya Krishna: _____	Date: _____
Amr Al Mallah: _____	Date: _____
Andrew Poh: _____	Date: _____
Christopher Yu: _____	Date: _____
Daniel Puller: _____	Date: _____
Dylan Cooke: _____	Date: _____
Jason Chlipala: _____	Date: _____
Mark Cinali: _____	Date: _____

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App. No.: 15/389,197

Filing Date: December 22, 2016

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: Robert Barton Date: 07/23/2017

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Mitchell Moranis: _____ Date: _____

Palantir Technologies Inc.

Signature: Matt Long Date: 10/23/2018

Printed Name: Matt Long Title: Legal Counsel

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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; 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

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

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Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh,
Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark
Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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

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

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Docket No.: **PALAN.626A**

Page 4 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**

Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

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.

Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

Jason Chlipala: _____ Date: _____

Mark Cinali: _____ Date: _____

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Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton**

App. No.: **15/389,197**

Filing Date: **December 22, 2016**

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: *Samuel Sinensky* _____ Date: 6/17/17

William Seaton: _____ Date: _____

Palantir Technologies Inc.

Signature: *Matt Long* _____ Date: 10/23/2018

Printed Name: Matt Long Title: Legal Counsel

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 1 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016*****Declaration***

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 **John O'Brien**, residing in New York, NY, **Advaya Krishna**, residing in New York, NY, **Amr Al Mallah**, residing in New York, NY, **Andrew Poh**, residing in San Francisco, CA, **Christopher Yu**, residing in Culver City, CA, **Daniel Puller**, residing in New York, NY, **Dylan Cooke**, residing in New York, NY, **Jason Chlipala**, residing in Los Angeles, CA, **Mark Cinali**, residing in New York, NY, **Nicholas Perry**, residing in San Francisco, CA, **Randall Dorin**, residing in New York, NY, **Robert Barton**, residing in Hoboken, NJ, **Samuel Sinensky**, residing in New York, NY, **William Seaton** residing in New York, NY, and **Mitchell Moranis** residing in New York, NY (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.**

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))*Application Data Sheet filed previously or concurrently*Docket No.: **PALAN.626A**

Page 2 of 5

Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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 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; 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

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Title: **DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION**Inventor(s): **John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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

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App. No.: **15/389,197**

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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.

Inventors

John O'Brien: _____ Date: _____

Advaya Krishna: _____ Date: _____

Amr Al Mallah: _____ Date: _____

Andrew Poh: _____ Date: _____

Christopher Yu: _____ Date: _____

Daniel Puller: _____ Date: _____

Dylan Cooke: _____ Date: _____

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App. No.: 15/388,197

Filing Date: December 22, 2016

Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: *William Seaton* Date: 8/23/17

Mitchell Moranis: _____ Date: _____

Palantir Technologies Inc.

Signature: *Matt Long* Date: 10/23/2018

Printed Name: Matt Long Title: Legal Counsel

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

Docket No.: PALAN.526A

Page 1 of 5

Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE
DATA ASSOCIATION, ANALYSIS, AND PRESENTATIONInventor(s): John O'Brien, Advaya Krishna, Amr Al Malfah, Andrew Poh,
Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chilpala, Mark
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William Seaton, Mitchell Moranis

App. No.: 15/389,197

Filing Date: December 22, 2016

Declaration

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 1.55.

Assignment from Inventor(s)

THIS ASSIGNMENT AGREEMENT ("Agreement") is by John O'Brien, residing in New York, NY, Advaya Krishna, residing in New York, NY, Amr Al Malfah, residing in New York, NY, Andrew Poh, residing in San Francisco, CA, Christopher Yu, residing in Culver City, CA, Daniel Puller, residing in New York, NY, Dylan Cooke, residing in New York, NY, Jason Chilpala, residing in Los Angeles, CA, Mark Cinalli, residing in New York, NY, Nicholas Perry, residing in San Francisco, CA, Randall Dorin, residing in New York, NY, Robert Barton, residing in Hoboken, NJ, Samuel Sinensky, residing in New York, NY, William Seaton residing in New York, NY, and Mitchell Moranis residing in New York, NY (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.

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

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Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION

Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Puller, Dylan Cooke, Jason Chlipala, Mark Cinali, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis

App. No.: 15/389,197

Filing Date: December 22, 2016

AND Pafantir 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 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; 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.

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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.

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

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Cinall, Nicholas Perry, Randall Dorfin, Robert Barton, Samuel Sinensky,
William Seaton, Mitchell Moranis**App. No.: **15/389,197**Filing Date: **December 22, 2016**

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.

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 expenses.

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

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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.

Inventors

John O'Brien:	Date:
Advaya Krishna:	Date:
Amr Al Mallah:	Date:
Andrew Poh:	Date:
Christopher Yu:	Date:
Daniel Puller:	Date:
Dylan Cooke:	Date:
Jason Chilpala:	Date:
Mark Cinalli:	Date:

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

Application Data Sheet filed previously or concurrently

Docket No.: PALAN.626A

Page 5 of 5

Title: DATABASE SYSTEMS AND USER INTERFACES FOR INTERACTIVE DATA ASSOCIATION, ANALYSIS, AND PRESENTATION

Inventor(s): John O'Brien, Advaya Krishna, Amr Al Mallah, Andrew Poh, Christopher Yu, Daniel Fuller, Dylan Cooke, Jason Chlipala, Mark Cinall, Nicholas Perry, Randall Dorin, Robert Barton, Samuel Sinensky, William Seaton, Mitchell Moranis

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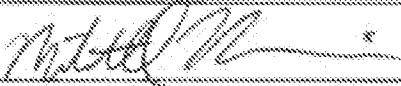
Nicholas Perry: _____ Date: _____

Randall Dorin: _____ Date: _____

Robert Barton: _____ Date: _____

Samuel Sinensky: _____ Date: _____

William Seaton: _____ Date: _____

Mitchell Moranis:  _____ Date: 7/24/2017

Palantir Technologies Inc.

Signature:  _____ Date: 10/23/2018

Printed Name: Matt Long _____ Title: Legal Counsel