

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8026536

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEC MASSEY	07/18/2022
LAURENCE PALK	05/13/2022
MARC MAZZIE	05/22/2023
PATRICK PARODI	07/18/2022
ROBERT MESIROW	07/18/2022
SIDDHANT BHATIA	05/12/2022
JORDAN SROTE	06/01/2022
JONATHAN HOWLETTE	06/22/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PRICEWATERHOUSECOOPERS LLP
<b>Street Address:</b>	OFFICE OF THE GENERAL COUNSEL, 300 MADISON AVENUE
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10017
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17663116
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)887-0763
<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>	
<b>Phone:</b>	12027918573
<b>Email:</b>	dbernecker@mofo.com
<b>Correspondent Name:</b>	JOSHUA A. CRAWFORD
<b>Address Line 1:</b>	C/O MORRISON & FOERSTER LLP
<b>Address Line 2:</b>	2100 L STREET, NW, SUITE 900
<b>Address Line 4:</b>	WASHINGTON, D.C. 20037
<b>ATTORNEY DOCKET NUMBER:</b>	13574-20066.00
<b>NAME OF SUBMITTER:</b>	JOSHUA A. CRAWFORD
<b>SIGNATURE:</b>	/JOSHUA A. CRAWFORD/

PATENT

**DATE SIGNED:**

06/26/2023

**Total Attachments: 21**

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## ASSIGNMENT

This assignment is by:

1. Alec MASSEY  
c/o PricewaterhouseCoopers LLP  
Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America
2. Laurence PALK  
c/o PricewaterhouseCoopers LLP  
Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America
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7. Jordan SROTE  
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United States of America
8. Jonathan HOWLETTE  
c/o PricewaterhouseCoopers LLP  
Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America

(each referred to in this Assignment as “Assignor”), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: PricewaterhouseCoopers LLP  
Address: Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under the patent application identified below and the inventions covered thereby.

Assignor invented certain new and useful inventions in:

SYSTEMS AND METHODS FOR CONTACT NETWORK ANALYSIS INCLUDING ASSESSING  
SOCIAL DISTANCING

which are set forth in:

Serial No.: 17/663,116                      Filing Date: May 12, 2022  
(which identifying information may be added after execution)

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.
3. Assignor shall promptly sign, execute, and deliver to Assignee all papers, instruments, affidavits, and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. For purposes of this paragraph,

“procurement, maintenance, enforcement, defense” shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.

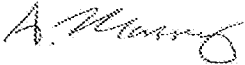

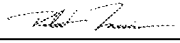
4. Assignor hereby authorizes and requests the Commissioner for Patents in the United States to issue the above mentioned letters patents of the United States and any reissue, reexamination, review, or extension thereof to and in the name of Assignee as the assignee of said inventions and the letters patents to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

5. Assignor hereby grants attorneys, all of Morrison & Foerster LLP (or as needed attorneys of the applicable country appointed and authorized by Morrison & Foerster LLP), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.

6. This assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one agreement.

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date:	<u>7/18/2022</u>	Signature:	
			_____
			Alec MASSEY
Date:	_____	Signature:	_____
			Laurence PALK
Date:	_____	Signature:	_____
Date:	<u>7/18/2022</u>	Signature:	
			_____
			Patrick PARODI
Date:	<u>7/18/2022</u>	Signature:	
			_____
			Robert MESIROW
Date:	_____	Signature:	_____
			Siddhant BHATIA
Date:	_____	Signature:	_____
			Jordan SROTE
Date:	_____	Signature:	_____
			Jonathan HOWLETTE

ASSIGNEE:

Date:	_____	Signature:	_____
			Name:
			Title:
			Company: PricewaterhouseCoopers LLP

## ASSIGNMENT

This assignment is by:

1. Alec MASSEY  
c/o PricewaterhouseCoopers LLP  
Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America
2. Laurence PALK  
c/o PricewaterhouseCoopers LLP  
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8. Jonathan HOWLETTE  
c/o PricewaterhouseCoopers LLP  
Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America

(each referred to in this Assignment as “Assignor”), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: PricewaterhouseCoopers LLP  
Address: Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under the patent application identified below and the inventions covered thereby.

Assignor invented certain new and useful inventions in:

SYSTEMS AND METHODS FOR CONTACT NETWORK ANALYSIS INCLUDING ASSESSING  
SOCIAL DISTANCING

which are set forth in:

Serial No.: 17/663,116                      Filing Date: May 12, 2022  
(which identifying information may be added after execution)

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.

3. Assignor shall promptly sign, execute, and deliver to Assignee all papers, instruments, affidavits, and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. For purposes of this paragraph,

“procurement, maintenance, enforcement, defense” shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.

4. Assignor hereby authorizes and requests the Commissioner for Patents in the United States to issue the above mentioned letters patents of the United States and any reissue, reexamination, review, or extension thereof to and in the name of Assignee as the assignee of said inventions and the letters patents to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

5. Assignor hereby grants attorneys, all of Morrison & Foerster LLP (or as needed attorneys of the applicable country appointed and authorized by Morrison & Foerster LLP), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.

6. This assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one agreement.

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: _____	Signature: _____	Alec MASSEY
Date: <u>05-13-2022</u>	Signature: 	Laurence PALK
Date: _____	Signature: _____	Marc MAZZIE
Date: _____	Signature: _____	Patrick PARODI
Date: _____	Signature: _____	Robert MESIROW
Date: _____	Signature: _____	Siddhant BHATIA
Date: _____	Signature: _____	Jordan SROTE
Date: _____	Signature: _____	Jonathan HOWLETTE

ASSIGNEE:

Date: _____	Signature: _____	Name: _____
		Title: _____
		Company: PricewaterhouseCoopers LLP



## ASSIGNMENT

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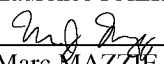
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In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: _____	Signature: _____	Alec MASSEY
Date: _____	Signature: _____	Laurence PALK
Date: <u>5/22/23</u>	Signature: 	Marc MAZZIE
Date: _____	Signature: _____	Patrick PARODI
Date: _____	Signature: _____	Robert MESIROW
Date: _____	Signature: _____	Siddhant BHATIA
Date: _____	Signature: _____	Jordan SROTE
Date: _____	Signature: _____	Jonathan HOWLETTE

ASSIGNEE:

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1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: .....	Signature: .....	Alec MASSEY
Date: .....	Signature: .....	Laurence PALK
Date: .....	Signature: .....	Marc MAZZIE
Date: .....	Signature: .....	Patrick PARGEN
Date: .....	Signature: .....	Robert MESHROW
Date: 5/12/2012	Signature: <i>Siddhant Brattia</i>	Siddhant BHATTIA
Date: .....	Signature: .....	Jordan SROTE
Date: .....	Signature: .....	Jonathan HOWLETTE

ASSIGNEE:

Date: .....	Signature: .....	Name:
		Title:
		Company: PricewaterhouseCoopers LLP

## ASSIGNMENT

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United States of America
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United States of America
8. Jonathan HOWLETTE  
c/o PricewaterhouseCoopers LLP  
Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America

(each referred to in this Assignment as “Assignor”), whose residence or mailing address information is listed above.

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Address: Office of the General Counsel, 300 Madison Avenue  
New York, New York 10017  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

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SOCIAL DISTANCING

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Serial No.: 17/663,116                      Filing Date: May 12, 2022  
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In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: _____	Signature: _____	Alec MASSEY
Date: _____	Signature: _____	Laurence PALK
Date: _____	Signature: _____	Marc MAZZIE
Date: _____	Signature: _____	Patrick PARODI
Date: _____	Signature: _____	Robert MESIROW
Date: _____	Signature: _____	Siddhant BHATIA
Date: <u>6/1/2022</u>	Signature: _____	Jordan SROTE
Date: _____	Signature: _____	Jonathan HOWLETTE

ASSIGNEE:

Date: _____	Signature: _____	Name: _____
		Title: _____
		Company: PricewaterhouseCoopers LLP

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Date: _____	Signature: _____	Robert MESIROW
Date: _____	Signature: _____	Siddhant BHATIA
Date: _____	Signature: _____	Jordan SROTE
Date: <u>6/22/23</u>	Signature: _____	 Jonathan HOWLETTE

ASSIGNEE:

Date: _____	Signature: _____	Name: _____
		Title: _____
		Company: PricewaterhouseCoopers LLP

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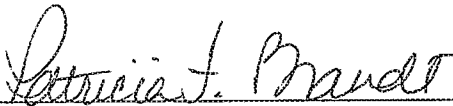
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Date: _____	Signature: _____	Jordan SROTE
Date: _____	Signature: _____	Jonathan HOWLETTE

ASSIGNEE:

Date: <u>6/22/2023</u>	Signature: <u></u>
	Name: Patricia F. Brandt
	Title: Deputy General Counsel
	Company: PricewaterhouseCoopers LLP