PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6255422

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOON MAENG	06/18/2020
RAMANATHAN RAMANATHAN	06/22/2020
PIERRE ARBADJIAN	06/17/2020
ANDREW J. GARNER IV	06/17/2020
RAMESH YARLAGADDA	06/17/2020
ABHIJIT RAO	06/17/2020
ADAM SANDERS	07/10/2020

RECEIVING PARTY DATA

Name:	WELLS FARGO BANK, N.A.
Street Address:	550 CALIFORNIA STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16874169

CORRESPONDENCE DATA

Fax Number: (704)444-1111
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.
Phone: 7044441000
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Correspondent Name: WELLS FARGO BANK, N.A. AND ALSTON & BIRD
Address Line 1:   BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET
Address Line 2:   SUITE 4000
Address Line 4:   CHARLOTTE, NORTH CAROLINA 28280-4000

ATTORNEY DOCKET NUMBER:	011655/540829
NAME OF SUBMITTER:	RUSSELL P. BLAISE
SIGNATURE:	/Russell P. Blaise/
DATE SIGNED:	08/18/2020

Total Attachments: 8
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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor ("Assignor") hereby sells and assigns, unto

Wells Fargo Bank, N.A.
550 California Street
San Francisco, CA 94104

(the "Assignee") its successors and assigns, the inventor's entire worldwide right, title, and interest in and to all inventions, improvements, and discoveries (collectively, the "Inventions") set forth in:

"APPARATUSES AND METHODS FOR DATA CLEARANCE TRAVERSAL"

as well as in and to (a) all improvements and modifications to any of the Inventions, (b) the above-identified patent application and all other patent applications, patents, utility models, design registrations, other rights of exclusion, and inventors' certificates in every country or region setting forth (i) any or all of the Inventions or (ii) any improvements or modifications to any or all of the Inventions, (collectively, the "Applications and Granted Rights") (c) every priority right that is or may be predicated upon or arise from any of the Inventions or the Applications and Granted Rights, and (d) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Inventions, the Applications and Granted Rights, and any other rights assigned by this Assignment;

said Assignee being hereby authorized to file patent applications in any or all countries on any or all of the Inventions in the name of the Assignor or in the name of the Assignee or otherwise as the Assignee may deem advisable, under the Patent Cooperation Treat or otherwise; the Commissioner of Patents of the United States Patent and Trademark Office (and officials of other countries whose duty it is to issue patents) being hereby authorized to issue or transfer all Letters Patent to the Assignee in accordance with this Assignment; this assignment being under covenant, not only that full power to make the same is held by the Assignor, but also that such assigned right is not encumbered by any grant, license, or other right previously given, and that the Assignor will do all acts reasonably serving to ensure that the Inventions and the Applications and Granted Rights shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the Assignor if this assignment had not been made, and particularly to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by the Assignee, to furnish the Assignee with all facts relating to any of the Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody any of the Inventions, and to testify in any proceedings relating to any of the Inventions or the Applications and Granted Rights.

**PATENT
REEL: 053524 FRAME: 0587**

Assignor hereby grants Assignee, its successors, legal representatives, and assigns the right to insert in this Assignment any further identification (including, but not limited to Attorney Docket Number, and patent application serial number, date, and other information) that may be necessary or desirable for valid recordation of this Assignment.

This Assignment is deemed to be effective at least as early as the earliest filing date listed above and/or associated with any of the Inventions. To the extent that Assignor has previously assigned, to Assignee, any right, title, or interest in the Inventions or the Applications and Granted Rights, this document shall be interpreted as confirming the validity of such prior assignment(s).

DocuSigned by:

/ Joon MAENG /   6/18/2020

0E32582DE217483...

Joon MAENG   Date

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/ *Ramanathan RAMANATHAN* /   6/22/2020
— DocuSigned by:
— F12AE3AB41DE4F3...
Ramanathan RAMANATHAN   Date

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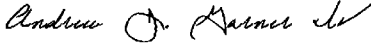
DocuSigned by:

Pierre ARBADJIAN / 6/17/2020
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Pierre ARBADJIAN Date

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**PATENT
REEL: 053524 FRAME: 0590**

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DocuSigned by:

Andrew J. Garner IV

863BC0DEE9B140E...

Andrew J. GARNER IV   6/17/2020

                                                                 Date

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DocuSigned by:

Ramesh YARLAGADDA   /   6/17/2020
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Ramesh YARLAGADDA   Date

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DocuSigned by:

Abhijit Rao

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/ _____ /   6/17/2020
                                               _____
Abhijit RAO   Date

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DocuSigned by:

Adam SANDERS /

Adam SANDERS

7/10/2020

Date

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