

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
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	CHRIS THEODORE KALABOUKIS	01/18/2021
	ANDREW J. GARNER IV	01/15/2021
	ABHIJIT RAO	01/15/2021
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	RAMESHCHANDRA BHASKAR KETHARAJU	01/17/2021
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	Property Type	Number
	Application Number:	17083056
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NAME OF SUBMITTER:	CHRISTOPHER G. ARANGUREN	
SIGNATURE:	/Christopher G. Aranguren/	
DATE SIGNED:	03/08/2021	

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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:

United States Patent Application No. 17/083,056, filed on October 28, 2020, and titled:

**"APPARATUSES, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER
PROGRAM PRODUCTS FOR IMPROVED MULTI-USER CHANNEL
MANAGEMENT"**

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.

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:

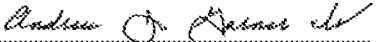
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Ramanathan RAMANATHAN

19 January 2021

Date

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Chris Theodore Kalaboukis /
20AC00078C08004
Chris Theodore KALABOUKIS

18 January 2021
Date

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Andrew J. GARNER IV

15 January 2021

Date

IDF-20-0206

Attorney Docket Number: 011655/551021

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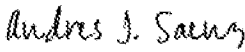
15 January 2021

Date

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15 January 2021
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17 January 2021

Date