506939183 10/25/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KARUNAKAR RACHALA	07/22/2021
HASNAIN AZIZ	10/25/2021
HARI MOORTHY	07/31/2021
UMASANKAR NISTALA	07/23/2021
MICHAEL GILLOTT	08/08/2021
BIPRADITYA CHAUDHURI	07/25/2021

RECEIVING PARTY DATA

Name:	JPMORGAN CHASE BANK, N.A.
Street Address:	383 MADISON AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10179

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16114828

CORRESPONDENCE DATA

Fax Number:

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.

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ATTORNEY DOCKET NUMBER: 052227.001402

NAME OF SUBMITTER: ROBERT A. KING

SIGNATURE: /Robert A. King/

DATE SIGNED: 10/25/2021

PATENT 506939183 REEL: 057897 FRAME: 0329

Total Attachments: 7

source=052227.001402 - Signed Assignment Document for U.S. Patent Application No. 16114,828#page1.tif source=052227.001402 - Signed Assignment Document for U.S. Patent Application No. 16114,828#page2.tif source=052227.001402 - Signed Assignment Document for U.S. Patent Application No. 16114,828#page3.tif source=052227.001402 - Signed Assignment Document for U.S. Patent Application No. 16114,828#page4.tif source=052227.001402 - Signed Assignment Document for U.S. Patent Application No. 16114,828#page5.tif source=052227.001402 - Signed Assignment Document for U.S. Patent Application No. 16114,828#page6.tif source=052227.001402 - Signed Assignment Document for U.S. Patent Application No. 16114,828#page7.tif

PATENT REEL: 057897 FRAME: 0330

ASSIGNMENT

WHEREAS, WE, Karunakar RACHALA; Hasnain AZIZ; Hari MOORTHY; Umasankar NISTALA; Michael GILLOTT; and Bipraditya CHAUDHURI have invented, developed, and/or have rights in the invention(s) (hereinafter "Inventions") disclosure in patent applications entitled:

METHODS FOR SYNTHETIC MONITORING OF SYSTEMS

filed in the United States on August 28, 2018 and accorded Application No. 16/114,828 (hereinafter "Application"); and

WHEREAS, JPMorgan Chase Bank, N.A., a corporation organized under the laws of the United States of America and the State of Ohio, and having a place of business at 383 Madison Avenue, New York, NY 10179 (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in and to the Invention and in and to the Application.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee and its successors and assigns, our entire right, title and interest, worldwide, in and to the Invention and the Application, and all patents and applications, worldwide, claiming priority to and/or benefit of, directly or indirectly, or based in whole or in part on, said Application and/or said Invention, including continuations, continuations-in-part, divisionals, reissues, reexaminations, renewals, substitutes, and extensions thereof, and any international and regional applications, based in whole or in part on any of the aforesaid applications or in whole or in part on said Invention, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all utility-model registrations, inventor's certificates, and the like heretofore or hereafter filed, worldwide, for the Invention, and in and to any and all patents (including all extensions, renewals, reexaminations and reissues thereof), worldwide, which have been or may be granted on any of the aforesaid applications or on said Invention or any parts thereof.

AND WE HEREBY covenant and agree for myself and my heirs, executors and administrators that we will communicate to Assignee any facts known to us respecting the Invention and the aforementioned applications, sign all lawful papers, testify in any legal proceeding, make all rightful oaths, and take any other actions that may be necessary or desirable to secure to Assignee its right, title, and interest in and to the aforementioned patents, applications and Invention, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for the Invention and the aforementioned patents and applications;

AND WE HEREBY agree to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said applications, or in the preparation or prosecution of any continuation, continuation-in-part, divisional, substitute, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents or similar rights of any region or country, that may be necessary to secure to Assignee its interest and title in and to said Invention or any parts thereof, and in and to said applications and patents;

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AND WE HEREBY authorize and request our agents, GREENBERG TRAURIG LLP, whose address is 3333 Piedmont Road, NE, Atlanta, GA 30305, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said Application when known;

AND WE HEREBY covenant for ourselves and our legal representatives, and agree with said Assignee, its successors and assigns, that we have the full right to convey the entire interest herein assigned, and that we have granted no right or license to make, use, sell or offer to sell said Invention, to anyone except said Assignee, that prior to the execution of this deed, our right, title and interest in said Invention and said Application had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE HEREBY authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue any and all letters patents which may be granted upon said United States and foreign applications or upon the Invention to the Assignee.

- SIGNATURES BEGIN ON NEXT PAGE -

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IN WITNESS WHEREOF, we have executed this Assignment as of the date set forth below.

Karunakar RACHALA
Karunakarreddy Signature: karunakarreddy (Jul 22, 2021 17:09 607)
Printed Name: karunakarreddy
Date: Jul 22, 2021
Date: 30(22, 2021
Hasnain AZIZ
Hasnain Aziz Signature: Masnain Aziz (Oct 28, 2021 10:54 EDT)
Printed Name: Hasnain Aziz
Date: Oct 25, 2021
Hari MOORTHY
Signature:
Printed Name:
Date:
Umasankar NISTALA
Signature:
Printed Name:

Michael GILLOTT

Signature:		
Printed Name:		
Date:		

Bipraditya CHAUDHURI

Signature: Bipraditya Chaudhuri
Printed Name: Bipraditya Chaudhuri (Jul 25, 2021 17:17 GMT+5.5)

Date: Jul 25, 2021

IN WITNESS WHEREOF, we have executed this Assignment as of the date set forth below.

Karunakar RACHALA
Signature:
Printed Name:
Date:
Hasnain AZIZ
Signature:
Printed Name:
Date:
Hari MOORTHY
Signature:
Printed Name: Havi Moorthu
Date: 07/31/2021
Umasankar NISTALA
Signature:
Printed Name:
Date:

IN WITNESS WHEREOF, we have executed this Assignment as of the date set forth below.

Karunakar RACHALA
Signature:
Printed Name:
Date:
Hasnain AZIZ
Signature:
Printed Name: *
Date:
Hari MOORTHY
Signature:
Printed Name:
Date:
Umasankar NISTALA
Signature: Whole
Printed Name: UNKNHINE NISTRA
n 12/22/2021

3 of 4

Michael GILL	OTT			
Signature:			and the state of t	m
Printed Name:		Mez	GKL	<u> 211</u>
Date: <u>8/1</u>	120	2.1		
Bipraditya CI	IAUDI	WRI .		
Signature:				
Printed Name:				
Date				

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PATENT REEL: 057897 FRAME: 0337