505101528 09/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5148288

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAVI KIRAN RAMAN	09/13/2018
KUSH R. VARSHNEY	09/14/2018
ROMAN VACULIN	09/14/2018
MICHAEL HIND	09/13/2018
SEKOU L. REMY	09/18/2018
ELEFTHERIA K PISSADAKI	09/14/2018
NELSON K. BORE	09/19/2018

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16135438

CORRESPONDENCE DATA

Fax Number: (866)415-0983

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: 972-849-1310

Email: jjohnson@proactivepatents.com
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Address Line 1: 955 GARDEN PARK DRIVE

Address Line 2: STE 230

Address Line 4: ALLEN, TEXAS 75013

ATTORNEY DOCKET NUMBER:	P201805099BUS01
NAME OF SUBMITTER:	RAFFI GOSTANIAN
SIGNATURE:	/Raffi Gostanian/
DATE SIGNED:	09/19/2018

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

Total Attachments: 8
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DECLARATION (37 C.F.R. § 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. § 1.76) AND ASSIGNMENT

DISTRIBUTED PLATFORM FOR COMPUTATION AND TRUSTED VALIDATION

As a below named and undersigned inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

[X] United States application or PCT international application number 16/135,438 filed on September 19, 2018.

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 a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this

Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature:	Date: 09/13/2018
(1) Legal Name of Inventor: Ravi Kiran Raman	
Signature:	Date:
(2) Legal Name of Inventor: Kush R. Varshney	
Signature:	Date:
(3) Legal Name of Inventor: Roman Vaculin	
Signature:	Date:
(4) Legal Name of Inventor: Michael Hind	

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(1) Legal Name of Inventor: Ravi Kiran Raman	
Signature: K. V.	Date: Splembar 14, 2019
(2) Legal Name of Inventor: Kush R. Varshney	
Cirantina	
Signature:	Date:
(3) Legal Name of Inventor: Roman Vaculin	
Signature:	Date:
(4) Legal Name of Inventor: Michael Hind	

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(1) Legal Name of Inventor: Ravi Kiran Raman	
Signature:	Date:
(2) Legal Name of Inventor: Kush R. Varshney	
Signature:	Date: Sex 14 2018
(3) Legal Name of Inventor: Roman Vaculin	
Signature:	Date:
(4) Legal Name of Inventor: Michael Hind	

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(1) Legal Name of Inventor: Ravi Kiran Raman	
Signature:	Date:
(2) Legal Name of Inventor: Kush R. Varshney	
Signature:	Date:
(3) Legal Name of Inventor: Roman Vaculin	
Signature: Multiple	Date: Sept 13, 2018

(4) Legal Name of Inventor: Michael Hind

																																						}	

Signature	Date: (3/09/2017
(5) Legal Name of Inventor: Schon L. Remy	
Signature: (6) Legal Name of Inventor: Eleftheria K. Pissadaki	Date:
(t) Legai Name of Intomo, Intomo	-
Signature: (7) Legal Name of Inventor: Nelson K. Bore	Date:

Signature:	Date:
(5) Legal Name of Inventor: Sekou L. Remy	
Signature: (6) Legal Name of Inventor: Eleftheria K. Pissadaki	Date: 07/4/18
Signature:	Date:
(7) Legal Name of Inventor: Nelson K. Bore	

Signature:	Date:
(5) Legal Name of Inventor: Sekou L. Remy	
Signature:	Date:
(6) Legal Name of Inventor: Eleftheria K. Pissadaki	***************************************
Signature:	Date: \4 \4 \2018
Continued to the second of the	

(7) Legal Name of Inventor: Nelson K. Bore

PATENT REEL: 046912 FRAME: 0075

RECORDED: 09/19/2018