07/10/2019 505565446

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ERIC V. KLINE	05/26/2017
MARK E. MARESH	05/26/2017
COLM NOLAN	05/29/2017
JUAN F. VARGAS	05/30/2017
CHERANELLORE VASUDEVAN	06/29/2017
MICHAEL J. WHITNEY	05/30/2017

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:	16507863

CORRESPONDENCE DATA

Fax Number: (281)886-7716

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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Email: uspto@garglaw.com IBM POU IPLAW (GLF) **Correspondent Name:** C/O GARG LAW FIRM, PLLC Address Line 1:

Address Line 2: 10701 CORPORATE DR., SUITE 230

STAFFORD, TEXAS 77477 Address Line 4:

ATTORNEY DOCKET NUMBER:	POU920170100US03
NAME OF SUBMITTER:	SABRINA ERNST
SIGNATURE:	/Sabrina Ernst/
DATE SIGNED:	07/10/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

REEL: 049717 FRAME: 0691

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Total Attachments: 9 source=POU920170100US03_Assignment_Declaration#page1.tif source=POU920170100US03_Assignment_Declaration#page2.tif source=POU920170100US03_Assignment_Declaration#page3.tif source=POU920170100US03_Assignment_Declaration#page4.tif source=POU920170100US03_Assignment_Declaration#page5.tif source=POU920170100US03_Assignment_Declaration#page6.tif source=POU920170100US03_Assignment_Declaration#page7.tif source=POU920170100US03_Assignment_Declaration#page8.tif source=POU920170100US03_Assignment_Declaration#page9.tif

PATENT REEL: 049717 FRAME: 0692

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

MULTI-LEVEL MATRIX PASSWORDS

As a below named inventor, I hereby declare that:	
This declaration is directed to the attached application, or (if following box is checked):	
United States application or PCT international application number	····
The above-identified application was made or authorized to be made by me.	
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 CFR Section 1.56.

Whereas, the undersigned inventor(s) has/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, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor desires to grant to IBM, the 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, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the 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, each undersigned inventor hereby authorizes and requests 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 IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, 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 the undersigned had this Assignment not been made; and each undersigned inventor agrees 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 IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants IBM, 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.

(1)	Legal Name of Inventor: ERIC V. KLINE	
	Signature:	Date: 05-26-/7
2 0 0	Land Many Classes and Anna Care and Anna Car	
(2)	Legal Name of Inventor: MARK E. MARESH	
	Signature:	Date:
(3)	Legal Name of Inventor: COLM NOLAN	
	Signature:	Date:

Signature:	<u> </u>		Date	5-30-201
) Legal Name of Inver	an Currancis	S SO VÁŠSKYSKA K	į.	
5 2-95 M . TOMAN OLD 200 1990		*****	•	
Signature:			Date	
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Signature: Leval Name of loves	uss: Will HAKL I W	******	Date:	
	use Min Hari. I. W	*****	Date	

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PATENT REEL: 049717 FRAME: 0695

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I believe that I am the original inventor or an original joint inventor of a claimed inventio application.	n in the
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 in known to me to be material to patentability as defined in 37 CFR Section 1.56.	formation

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Page 1 of 3

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Signature: Date:	······································
(2) Legal Name of Inventor: MARK E. MARESH	
Signature: // E // Cush Date: May	126,2017
(3) Legal Name of Inventor; COLM NOLAN	
Signature: Date:	

(4) Legal Name of Inventor: JUAN F. VARGAS	
	Signature	Date:
(\$)	Legal Name of Inventor: CHERANELLORE VASUDEVAN Signature:	Date: Juse 29, 2017
	Legal Name of Inventor: MICHARL J. WHITNEY	
	Signature:	Date:

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(1)	Legal Name of Inventor: ERIC V. KLINE	
	Signature:	Date:
(2)	Legal Name of Inventor: MARK E. MARESH	
	Signature:	Date:
(3)	Legal Name of Inventor: COLM NOLAN	
	Signature:	Date: <u>=94 - 5 - 7</u> 4

Page 2 of 3

(4) Legal Name of Inventor: JUAN F. VARGAS	
Signature:	Date:
(5) Legal Name of Inventor: CHERANELLORE VASUDEVAN	
Signature:	Date:
(6) Legal Name of Inventor: MICHAEL J. WHITNEY	
Signature: MAHA	Date: 5/30/2017

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