#### 01/02/2020 505844020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5890956

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RAUL SALAJAN	12/12/2019
VANI D. RAMAGIRI	12/12/2019
CINDY BARRETT	12/12/2019
ANIL KALAVAKOLANU	12/16/2019
SRINIVASA RAGHAVAN MASTHI PARTHASARATHI	12/16/2019
DOUGLAS GRIFFITH	12/16/2019

#### **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:	16732547

#### **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 YOR 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:	P201801029US01
NAME OF SUBMITTER:	SABRINA ERNST
SIGNATURE:	/Sabrina Ernst/
DATE SIGNED:	01/02/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

**REEL: 051400 FRAME: 0058** 505844020

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# Total Attachments: 6 source=P201801029US01\_Assignment\_Declaration#page1.tif source=P201801029US01\_Assignment\_Declaration#page2.tif source=P201801029US01\_Assignment\_Declaration#page3.tif source=P201801029US01\_Assignment\_Declaration#page4.tif source=P201801029US01\_Assignment\_Declaration#page5.tif source=P201801029US01\_Assignment\_Declaration#page6.tif

PATENT REEL: 051400 FRAME: 0059

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

## LPM MANAGEMENT USING CONTINGENT AND CONDITIONAL INPUTS

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 numberfiled	on
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 reper 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 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 Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor desires to to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent	ne to 1 1BM
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, an otherwise transferrs or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assist 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, 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 O 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 intere and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end 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, and all documents and instruments and perform all lawful acts reasonably related to recording this Assign or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, or assigns. Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights hereby sold, assign, and transferred, and has not executed, and will not ex	igns, and th ffice st in l of ute nent tright its of utes
(1) Legal Name of Inventor; RAUL SALAJAN	
Signature:	19

Page 1 of 6

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otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives the entire worldwide right, title, and interest in and to the Invention, the above-identified United State application, and any and all other patent applications and patents for the Invention which may be appl granted therefor in the United States and in all foreign countries and jurisdictions, including all division continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensional rights of priority resulting from the filing of such applications and granting of such patents. In add undersigned inventor hereby authorizes and requests the Director of the United States Patent and Tractorissue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the terms for which any and all such patents may be granted, as fully and entirely as would have been enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agree any and all documents and instruments and perform all lawful acts reasonably related to recording this or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, or assigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby gressuccessors, legal representatives, and assigns, the right to insert in this Assignment any further identifications, but not limited to, patent Application Number) which may be necessary or desirable for rethis Assignment. This Assignment is governed by the substantive laws of the State of New Y	is, and assigns, is patent lied for or ons, is thereof, and lition, each demark Office or the and interest in held and is to execute is Assignment alligns. If the rights in the rights in the rights is the right will not ants IBM, its fication is cordation of I any disputes
(2) Legal Name of Inventor: VANI D. RAMAGIRI	3
Signature: R. Vari. den Date: 12	2/19

Page 2 of 6

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Whareas International Dissipant Machines Comments	
Whereas, International Business Machines Corporation, a corporation of New York having a place of bu	siness at
Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor des	ires to grant
to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all pat	ent
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 assign	ied, and
otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, as	nd assigns,
the entire worldwide right, title, and interest in and to the Invention, the above-identified United States p	atent
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	5
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any and all documents and instruments and perform all lawful acts reasonably related to recording this A	ssignment
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	ś.
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 unencur	nhered right
to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and w	ill not
execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants	TRM its
successors, legal representatives, and assigns, the right to insert in this Assignment any further identificat	tion
(including, but not limited to, patent Application Number) which may be necessary or desirable for recor	dation of
this Assignment. This Assignment is governed by the substantive laws of the State of New York, and an	v 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 1811.	S.C. 1001
by fine or imprisonment of not more than five (5) years, or both.	
(2) Local Name of Landson Commission Commiss	
(3) Legal Name of Inventor: CINDY BARRETT	
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Signature: Date: 17 Que.	2019
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Page 3 of 6

IBM DOCKET NUMBER: P201801029US01

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

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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 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,
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.

(4) Legal Name of Inventor: ANIL KALAVAKOLANU

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inder this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right
o sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not
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5) Legal Name of Inventor: SRINIVASA RAGHAVAN MASTHI PARTHASARATHI

Page 5 of 6

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