PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5470970

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JESSE ARROYO	04/02/2019
PRATHIMA KOMMINENI	04/09/2019
TIMOTHY J. SCHIMKE	04/02/2019
SHYAMA VENUGOPAL	04/10/2019

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:	16382182

CORRESPONDENCE DATA

Fax Number: (866)893-6754

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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Correspondent Name: DEREK P. MARTIN

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ATTORNEY DOCKET NUMBER:	P201708427US01
NAME OF SUBMITTER:	DEREK P. MARTIN
SIGNATURE:	/derekpmartin/
DATE SIGNED:	04/11/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 9

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PATENT REEL: 048865 FRAME: 0806

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PATENT REEL: 048865 FRAME: 0807

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

Title of Invention:

DYNAMIC ASSIGNMENT OF INTERRUPTS BASED ON INPUT/OUTPUT METRICS

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.
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,
Lam aware of the duty to disclose to the United States Patent and Trademark Office all information known

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;

to me to be material to patentability as defined in 37 CFR Section 1.56.

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

Page 1 of 3

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: Jesse Arroyo	
	Signature:	Date 4/2/2019
(2)	Legal Name of Inventor: Prathima Kommineni	
	Signature:	Date
(3)	Legal Name of Inventor: Timothy J. Schimke Signature:	Date 4/2/2019

Page 2 of 3

(4)	Legal Name of Inventor:	Shyama Venugopal		
	Signature:		Date	

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

Title of Inventors

DYNAMIC ASSIGNMENT OF INTERRUPTS BASED ON INPUT OUTPUT METRICS

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The above states has application was made or automoral to be made by me-

As a below particle inventor. I hereby declare that

I believe that I am the original inventor or an original poor reseater or a claimed inventors in the application.

I have reviewed and unconstand the consens of the employment including the claims

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Now therefore for good and valuable consideration, the receipt and sufficiency thereof being person acknowledged, each undersigned inventor ("ASSIGNOR") hereby selfs or has sold, as good the assigned, and enterwise transfers or has transferred to IBM (the "ASSIGNOR"), its successor less representatives and assigns, the entire worldwide right, bits, and merest in and to the inventors above identified I mind States patient opplications, and also their patient applications and extension the inventors which may be applied for a granted therefor in the United States patient of a granted therefore the Grantes and property resulting from the thing of such applications and granting of such patients. In addition, each undersigned inventor benefit authorizes and requests the Director of the United States Patient and Trademark Office to issue any United States Patient and Trademark Office to issue any United States Patient and Trademark Office to issue any United States Patient and Trademark Office to issue any United States Patient and Trademark Office to issue any United States Patient and Trademark Office to issue any United States Patient and I region to the inventors to 1884 its successor tegal representatives, and assigns in the fair end of the arms for stated and employed by IBM its successors legal representatives, and assigns in the fair end of the critical stated and employed and all such patients may be granted, as fully and employ as would have been beduted expected.

by the understyred but this Assegment not been made, and each undersigned inventor agrees to execute any and all decuments and instruments and perform all lawful acts reasonably related to recording this Assegment or performing this to the inventor and all related patents and applications in IBM, its successors legal services entanges, and assigns, whenever requested by IBM, its successors legal representatives, and assigns, whenever requested by IBM, its successors legal representatives.

Each insternighted invertion acknowledges over prior and origining obligations to act, a sign and transfer use again under this Assignment to IBM and is unaware of any casion way field may not have the full and used under the again and transferred, and has accounted tight to act, assign, and manufact the right hereby sold, assigned and transferred, and has accounted under some executed, and each or excute, any document or nutrument in conflict herebyth. Each undersomed used in a conflict herebyth and assigns the right to ment in the Assignment are further identification (including but not bround to patent Application Number) which has because as a describe to reconstituted this Assignment. This Assignment is governed by the surface of account of the State of Accounted to the Assignment is governed by the surface of the State of Accounted to Account or Park Note state court or

i bereav acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by fine or impresonment of not more than five (5) years, or both

	Legal Name of Inventor Less Army	
	Square	Date
	Local Name of Inventor: Prathers Commission	
	Signature KAI	Date 04 57 2019
es.	Legal Nerse of Inventor: Tenothy J. Schmike	
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PATENTREEL: 048865 FRAME: 0813

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

Title of Invention:

As a below named inventor, I hereby declare that:

DYNAMIC ASSIGNMENT OF INTERRUPTS BASED ON INPUT/OUTPUT METRICS

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

Page 1 of 3

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.

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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.

(I)	Legal Name of Inventor: Jesse Arroyo	
	Signature:	Date
(2)	Legal Name of Inventor: Prathima Kommineni	
	Signature:	Date
(3)	Legal Name of Inventor: Timothy J. Schimke	
	Signature:	Date

Page 2 of 3

(4)	Legal Name of Inventor: Shyama Venugopal				
	V. and J.				
	Signature: Shyama. V	Date_	10	ADS	2019

Page 3 of 3

PATENT REEL: 048865 FRAME: 0816

RECORDED: 04/11/2019