505656297 09/05/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	505486809

CONVEYING PARTY DATA

Name	Execution Date
ARUN RAMAKRISHNAN	05/19/2019
RAJAN RAMAN	05/19/2019
PREETI RAJASHEKHAR KOTTALAGI	05/19/2019
YOCHANA S. HONNAVAR	05/19/2019
LANCE LOY RODRIGUES	05/19/2019

RECEIVING PARTY DATA

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Street Address: NEW ORCHARD ROAD		
City: ARMONK		
State/Country:	NEW YORK	
Postal Code:	10504	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16418362

CORRESPONDENCE DATA

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Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER: P201806778US01 PETER B. MANZO NAME OF SUBMITTER: **SIGNATURE:** /Peter B. Manzo/ **DATE SIGNED:** 09/05/2019

PATENT REEL: 050341 FRAME: 0107

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Total Attachments: 8 source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page1.tif source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page2.tif source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page3.tif source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page4.tif source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page5.tif source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page6.tif source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page7.tif source=P201806778US01_ExecutedAssignmentDeclaration_09-05-19#page8.tif

PATENT REEL: 050341 FRAME: 0108

DECLARATION (STEER LASTFORCE) THATFY PATENT APPLICATION (SING AN APPLICATION (SING AN

Title of Invention JUST IN-TIME DATA MIGRATION IN A LIVE SYSTEM

This declaration is threefed to the attached application, or (if following how is checked)
[] United States application or PCT international application number filed 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 me to be material to patentiability as defined in 37 CFR Section 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 sofficiency thereof being hereby acknowledged. Thereby soil or have sold assign or have assigned, and otherwise transfer or have transferred to the ASSIGNUE to successors, legal representatives, and assigns, no entire world a sement, one, and interest in and to the invention, the above-identified Linted States pagest application, and are and all other pagest 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, respues, recruitmentations, reflewals, extensions, counterparts, substitutes, page 43,575,575, the roof, and all rights of priority resulting from the filting of such appropriation, and grant agent such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademork Office to issue any United States Parent, and foreign parent authorizes to issue any foreign patent annual for the Invention to the ASSIGNEE, its outcessors, but in recommend the second contributed to the contributed in and to the same to be because on the ASSESSES successors, legal representatives, and assigns to the full end of the terms for which any and all such potents may be granted, as fully and entirely as would have been held and encountry me had his Assignment not been made, and I agree to execute any and all documents and instruments and perform all

Page 1 of 2

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11 Lagui Name et la centre Arun Rumakrishnan	
Negative	i sare
(2) Legal Name of Inventor: Rajan Raman	
Superiore Contraction of the Con	Date: <u>15 5 2 2</u>
(3) Legal Name of Inventor: Presti Rajashekhar Kottalagi	
Sugarure	Date
(4) Legal Name of Inventor. Yochana S. Honnavar	
Signature	Date
(5) Legal Name of Inventor Lance Loy Rodrigues	
Supplier	Date

DECLARATION (STORIE SAMEORI SHIJIY PATENT APPER MITOM SINGAN APPERATION DATA SHEET (STOLIE 176 AND ASSICNMENT

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being bereby 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 course worldwide right, ratic, and interest in and to the Invention, the above identified United States putent application, and any and all other patent applications and patents for the Invention which may be applied for or granted thereform 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 loneign 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 nucreasors, legal representatives, or assigns

Page 1 of 3

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element —		Date

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: JUST-IN-TIME DATA MIGRATION IN A LIVE SYSTEM

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):
[] United States application or PCT international application number filed on
The above-identified application was made or authorized to be made by me.
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I have reviewed and understand the contents of the application, including the claims.

application.

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, 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.

Page 1 of 2

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under the Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencombered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and nave 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.

(1) Legal Name of Inventor: Arun Ramakrishnan	
Signature:	Date:
(2) Legal Name of Inventor: Rajan Raman	
Signature:	Date:
(3) Legal Name of Inventor: Preeti Rajashekhar Kottalagi	
Signature:	Date:
(4) Legal Name of Inventor: Yochana S. Honnavar	
Signature:	Date: 05 19 2019
(5) Legal Name of Inventor: Lance Loy Rodrigues	
Signature:	Date:

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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.			
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Page 1 of 2

IBM DOCKET NUMBER: P201806778US01

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(1) Legal Nai	me of inventor: Arun Ramakri sl	inan	
Signature			Date:
(2) Legal Nar	ne of Inventor: Rajan Raman		
Signature			Date:
(3) Legal Nan	ne of Inventor: Preeti Rajashekl	aar Kottalagi	
			Date:
Signature:			7-816-C
(4) Legal Nam	ne of Inventor: Yochana S. Hon	iavar	
Signature:			Date:
(5) Legal Nam	e of Inventor: Lance Loy Rodri	guez	
	Rugion		DMC_05/19/2019
Signature:			; ;