PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Satish Chandra	09/09/2011
Pankaj Dhoolia	09/09/2011
Mangala Gowri Nanda	09/08/2011
Diptikalyan Saha	09/08/2011
Vibha Singhal Sinha	09/12/2011
Krishna Nandivada Venkata	09/08/2011

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:	13247301

CORRESPONDENCE DATA

Fax Number: (412)741-9292 Phone: 4127418400

Email: kdurkin@ferencelaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Ference & Associates LLC

Address Line 1: 409 Broad Street

Address Line 4: Pittsburgh, PENNSYLVANIA 15143

ATTORNEY DOCKET NUMBER:	790.135

PATENT

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NAME OF SUBMITTER:	Stanley D. Ference III	
Total Attachments: 12		
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ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: FAULT LOCALIZATION FOR DATA-CENTRIC PROGRAMS

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number: 13/247,301 (insert series code and serial number here if/when available)

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, threfore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to HBM (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 parents 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, logal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial 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.

(Inventor Signature Page Follows)

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Signature:	Atolohandra Satish Chandra	Date:	<u>\$49,2017</u>	18
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Whoreus, the undersigned inventor(s) has have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

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Signature	Solish Chandra	· · · · · · · · · · · · · · · · · · ·	Date:	
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Signature	Pankaj Ohooha 9	ξ	mc September 09,	2011
<u></u>		Executed by Inventor 3 of	*	
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Signature	Biptikalyan Saha)#{e}	

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Signaline: Kristora Namadinada Ventaria	

IBM DOCKET NUMBER: **IN920110173US1** (790.135)

ASSIGNMENT

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[Inventor Signature Page Follows]

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Signature:	: Satish Chandra	Date:	
		Executed by Inventor 2 of 6	
Signature	: Pankaj Dhoolia	Date:	
		Executed by Inventor 3 of 6	
Signature:	: Mangala Gowri Nanda	Date:	

Signature: _______
Diptikalyan Saha

Date: _____

Executed by Inventor 4 of 6

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Signature) Krishna Nandivoda Vi		Date:		

IBM DOCKET NUMBER: **IN920110173US1** (790.135)

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Executed by Inventor 1 of 6				
Signature	: Satish Chandra	Date:		
		Executed by Inventor 2 of 6		
Signature	: Pankaj Dhoolia	Date:		
		Executed by Inventor 3 of 6		
Signature	: Mangala Gowri Nanda	Date:		
		Executed by Inventor 4 of 6		
Signature	: Diptikalyan Saha	Date:		

***************************************		Executed by Inventor 5	of 6	
Signature	Vibha Singhal Sinha		Date:	
<u>,</u>		Executed by Inventor 6	of 6	
Signature	Krishna Nandiyada Venl	rata	Date:	