

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4594526

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AVINESH KUMAR	09/21/2012
SANDEEP R. PATIL	10/01/2012
GANDHI SIVAKUMAR	09/27/2012
MATTHEW A. TERRY	10/03/2012
MATTHEW B. TREVATHAN	10/01/2012
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:	15704491
CORRESPONDENCE DATA	
Fax Number:	(703)848-2981
<i>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.</i>	
Email:	sovando@rmsclaw.com
Correspondent Name:	ANDREW M. CALDERON
Address Line 1:	7918 JONES BRANCH DRIVE, SUITE 500
Address Line 4:	MCLEAN, VIRGINIA 22102
NAME OF SUBMITTER:	ANDREW M. CALDERON
SIGNATURE:	/Andrew M. Calderon/
DATE SIGNED:	09/14/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 15	
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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: **MANAGEMENT OF MEMORY USAGE USING USAGE ANALYTICS**
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 _____
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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: Avinesh KUMAR

Signature: Avinesh Kumar Date: 09/21/2012

(2) Legal Name of Inventor: Sandeep R. PATIL

Signature: _____ Date: _____

(3) Legal Name of Inventor: Gandhi SIVAKUMAR

Signature: _____ Date: _____

(4) Legal Name of Inventor: Matthew A. Terry

Signature: _____ Date: _____

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

IBM DOCKET NUMBER: END920120110US1

(5) Legal Name of Inventor: Matthew B. Trevathan

Signature: _____ Date: _____

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(1) Legal Name of Inventor: Avinesh KUMAR

Signature: _____ Date: _____

(2) Legal Name of Inventor: Sandeep R. PATIL

Signature:  Date: 1st Oct 2012

(3) Legal Name of Inventor: Gandhi SIVAKUMAR

Signature: _____ Date: _____

(4) Legal Name of Inventor: Matthew A. Terry

Signature: _____ Date: _____

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

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Gandhi Sivalumaran
27th Sep 2012

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Signature: _____ Date: _____

(2) Legal Name of Inventor: Sandeep R. PATIL

Signature: _____ Date: _____

(3) Legal Name of Inventor: Gandhi SIVAKUMAR

Signature: Gandhi Sivakumar Date: 27th Sep 2012

(4) Legal Name of Inventor: Matthew A. Terry

Signature: _____ Date: _____

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

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Page 3 of 3

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27th Sep 2012

PATENT
REEL: 043591 FRAME: 0653

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Signature: _____ Date: _____

(4) Legal Name of Inventor: Matthew A. Terry

Signature: Matthew A Terry Date: 10/3/12

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