504640717 11/14/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4687437

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRASANNA JAYARAMAN	07/23/2015
TRINADHACHARI KOSURU	07/24/2015
M. DEAN SCIACCA	07/30/2015
JANANI SWAMINATHAN	07/24/2015
GARY A. TRESSLER	07/20/2015

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:	15811871	

CORRESPONDENCE DATA

Fax Number: (507)253-5334

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.

Phone: 507-253-2175

Email: rocdrctr@us.ibm.com

Correspondent Name: IBM CORP - ROCHESTER DRAFTING CENTER

Address Line 1: 3605 HIGHWAY 52 NORTH
Address Line 2: DEPT 917, BLDG 0061

Address Line 4: ROCHESTER, MINNESOTA 55901

ATTORNEY DOCKET NUMBER:	ROC920150117US06	
NAME OF SUBMITTER:	ALEXANDRIA A. PEHLER	
SIGNATURE:	/Alexandria A. Pehler/	
DATE SIGNED: 11/14/2017		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT 504640717 REEL: 044116 FRAME: 0083

Total Attachments: 8

source=ROC920150117US06_SignedAssignmentDeclaration#page1.tif source=ROC920150117US06_SignedAssignmentDeclaration#page2.tif source=ROC920150117US06_SignedAssignmentDeclaration#page3.tif source=ROC920150117US06_SignedAssignmentDeclaration#page4.tif source=ROC920150117US06_SignedAssignmentDeclaration#page5.tif source=ROC920150117US06_SignedAssignmentDeclaration#page6.tif source=ROC920150117US06_SignedAssignmentDeclaration#page7.tif source=ROC920150117US06_SignedAssignmentDeclaration#page8.tif

PATENT REEL: 044116 FRAME: 0084

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: MANAGING TEMPERATURE OF SOLID STATE DISK DEVICES

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
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 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

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 therefore 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 this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have 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.

(1)	Legal Name of Inventor: Prasanna Jayaraman	
	Signature: LiveII	Date: July/23/20
(2)	Legal Name of Inventor: Trinadhachari Kosuru	
	Signature: Kinnadhadani	Date: 24 July, 2015
(3)	Legal Name of Inventor: Dean M. Sciacca	
	Signature:	Date:
(4)	Legal Name of Inventor: Janani Swaminathan	
	Signature:	Date:
(5)	Legal Name of Inventor: Gary A. Tressler	£
	Signature:	Date:

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(1) Legal Name of Inventor: Prasanna Jayara	man
Signature:	Date:
(2) Legal Name of Inventor: Trinadhachari k	Losuru
Signature:	Date:
(3) Legal Name of Inventor Dean X. Sciacca Signature:	and Date: 30 July 2018
(4) Legal Name of Inventor: Janani Swamina	
Signature:	Date;
(5) Legal Name of Inventor: Gary A. Tressler	
Signature:	Distas

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T. C. A. CONCONTONIO C.

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(x)	Legal Ivalue of inventor.	r i asama Jayaraman		
	Signature:		Date:	
(2)	Legal Name of Inventor:	Trinadhachari Kosuru		
	Signature:		Date:	
(3)	Legal Name of Inventor:	Dean M. Sciacca	;	•
	Signature:	,	Date:	
(4)	Legal Name of Inventor:	1		
	Signature:		Date: 24th July	2015
(5)	Legal Name of Inventor:	Gary A. Tressler		
	Signature:	/////////////////////////////////////	Date:	

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(4)	Legal Name of Inventor:	Janani Swaminathan	
	Signature:		Date:
(5)	Legal Name of Inventor:		
	Signature:	any a. Tressle	Date: 07/20/15