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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2648004

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEVI A. CAMPBELL	10/16/2012
RICHARD C. CHU	10/16/2013
MILNES P. DAVID	10/16/2012
MICHAEL J. ELLSWORTH JR.	10/22/2012
MADHUSUDAN K. IYENGAR	10/17/2012
ROBERT E. SIMONS	10/16/2012

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION	
Street Address:	NEW ORCHARD ROAD	
City:	ARMONK	
State/Country:	NEW YORK	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14105691

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ATTORNEY DOCKET NUMBER: POU920110098US6

REEL: 031779 FRAME: 0732

PATENT

NAME OF SUBMITTER: KEVIN P. RADIGAN, ESQ.		
Signature:	/Kevin P. Radigan, Esq./	
Date:	12/13/2013	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6 source=POU920110098US6_Assignment-Delcaration-Statement#page1.tif source=POU920110098US6_Assignment-Delcaration-Statement#page2.tif source=POU920110098US6_Assignment-Delcaration-Statement#page3.tif source=POU920110098US6_Assignment-Delcaration-Statement#page4.tif source=POU920110098US6_Assignment-Delcaration-Statement#page5.tif source=POU920110098US6_Assignment-Delcaration-Statement#page6.tif		

PATENT REEL: 031779 FRAME: 0733

IBM DOCKET NUMBER: POU920110098US2

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: HEAT SINK STRUCTURE WITH A VAPOR-PERMEABLE MEMBRANE FOR TWO-PHASE COOLING

As a below named inventor, I hereby declare that:

This declaratio	n 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.

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, 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 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.

(1) Legal Name of Inventor: Levi A. CAMPBELL	
Signature: 2 2 chul	Date: 10/16/12
(2) Legal Name of Inventor: Richard C. CHU	
Signature: (See Substitute Statement in Lieu of Oath or Declaration	on) Date:
(3) Legal Name of Inventor: Milnes P. DAVID	
Signature:	Date: 10/16/12
(4) Legal Name of Inventor: Michael J. ELLSWORTH, Jr.	
Signature: July Ellows	Date: 10/22/2012
(5) Legal Name of Inventor: Madhusudan K. IYENGAR	
Signature:	Date:
(6) Legal Name of Inventor: Robert E. SIMONS	
Signature: RESimons	Date: 16/16/2012

Page 2 of 2

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

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As a below named inventor, I hereby declare that:

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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 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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IBM DOCKET NUMBER: POU920110098US2

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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.

(1) Legal Name of Inventor; Levi A. CAMPBELL	
Signature:	Date:
(2) Legal Name of Inventor: Richard C. CHU	
Signature: (See Substitute Statement in Lieu of Oath o	or Declaration) Date:
(3) Legal Name of Inventor: Milnes P. DAVID	
Signature:	Date:
(4) Legal Name of Inventor: Michael J. ELLSWORTH,	Jr.
Signature:	
(5) Legal Name of Inventor: Madhusudan K. IYENGAR	
Signature: C. L.	Date: 10/17/2012
(6) Legal Name of Inventor; Robert E. SIMONS	
Signature:	Date:

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	HEAT SINK STRUCTURE WITH A VAPOR-PERMEABLE MEMBRANE FOR TWO-PHASE COOLING		
The atta OR United S LEGAL NA	int is directed to: ached application, States application or PCT International application number 13/676,242 filed on 11/14/2012 ME of inventor to whom this substitute statement applies: Name (first and middle (if any)) and Family Name or Surname) Richard C. CHU		
Residence (e	xcept for a deceased or legally incapacitated inventor):		
City Country Malling Address (except for a deceased or legally incapacitated inventor):			
City	State Zio Country		
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Legal	to the inventor to whom this substitute statement applies: al Representative (for deceased or legally incapacitated inventor only), gnee, on to whom the inventor is under an obligation to assign, on who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or inventor.		

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This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1459, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1459, Alexandria, VA 22313-1450.

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SUBSTITUTE STATEMENT

***************************************		*****************		
Circumstances permitting execution of this substitute statement:				
Inventor is deceased,				
Inventor is under legal incapacity,	Inventor is under legal incapacity,			
Inventor cannot be found or reached after diligent effort, or				
Inventor has refused to execute th	e oath or declaration under 37 (CFR 1,63.		
If there are joint inventors, please check the	If there are joint inventors, please check the appropriate box below:			
An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.				
OR				
An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).				
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