

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Application Serial No. to be changed to 13/030,594 previously recorded on Reel 025838 Frame 0831. Assignor(s) hereby confirms the Assignment.										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Peter A. Gruber</td><td>02/17/2011</td></tr><tr><td>Jae-Woong Nah</td><td>02/15/2011</td></tr></tbody></table>		Name	Execution Date	Peter A. Gruber	02/17/2011	Jae-Woong Nah	02/15/2011				
Name	Execution Date										
Peter A. Gruber	02/17/2011										
Jae-Woong Nah	02/15/2011										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>International Business Machines Corporation</td></tr><tr><td>Street Address:</td><td>New Orchard Road</td></tr><tr><td>City:</td><td>Armonk</td></tr><tr><td>State/Country:</td><td>NEW YORK</td></tr><tr><td>Postal Code:</td><td>10504</td></tr></table>		Name:	International Business Machines Corporation	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504
Name:	International Business Machines Corporation										
Street Address:	New Orchard Road										
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Postal Code:	10504										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13030594</td></tr></tbody></table>		Property Type	Number	Application Number:	13030594						
Property Type	Number										
Application Number:	13030594										
CORRESPONDENCE DATA											
Fax Number: (202)293-6229 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 2023317111 Email: swhite@cblh.com Correspondent Name: S.White - Connolly Bove Lodge & Hutz LLP Address Line 1: 1875 Eye Street, NW Address Line 2: Suite 1100 Address Line 4: Washington, DISTRICT OF COLUMBIA 20006											
ATTORNEY DOCKET NUMBER:	20140-00440-US										
NAME OF SUBMITTER:	Sarah P. Hasford										
Total Attachments: 4											

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PATENT
REEL: 025948 FRAME: 0001

OP \$40.00 13030594

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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Peter A. Gruber (02/17/2011) and Jae-Woong Nah
(02/15/2011)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: International Business Machines Corporation

Internal Address: _____

Street Address: _____

New Orchard Road

City: Armonk

State: New York

Country: United States of America Zip: 10504

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

13/030,594

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Sarah P. Hasford
CONNOLLY BOVE LODGE & HUTZ LLP

Internal Address: Atty. Dkt.: YOR920100374US1

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Suite 1100

City: Washington

State: DC Zip: 20006

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Fax Number: (202) 293-6229

Email Address: SHasford@cblh.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

Deposit Account Number 50-0510

Authorized User Name Burton A. Amernick

9. Signature:

/Sarah P. Hasford/

Signature

February 18, 2011

Date

Sarah P. Hasford - 64,083

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

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: **SPHERICAL SOLDER REFLOW METHOD**

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: 13/030,594 (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, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers 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 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 Pages Follow]

IBM DOCKET NUMBER: YOR920100374US1

Executed by Inventor 1 of 2

Signature: Peter A. Gruber Date: Feb 17, 2011
(Peter A. Gruber)

IBM DOCKET NUMBER: YOR920100374US1

Executed by Inventor 2 of 2

Signature: Jae-Woong Nah Date: 02/15/2011
(Jae-Woong Nah)