

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Charles F Carey</td><td>05/04/2007</td></tr><tr><td>Bernt Julius Hansen</td><td>05/03/2007</td></tr><tr><td>Ashwani K Malhotra</td><td>05/10/2007</td></tr><tr><td>David L Questad</td><td>05/04/2007</td></tr><tr><td>Wolfgang Sauter</td><td>05/11/2007</td></tr></tbody></table>	Name	Execution Date	Charles F Carey	05/04/2007	Bernt Julius Hansen	05/03/2007	Ashwani K Malhotra	05/10/2007	David L Questad	05/04/2007	Wolfgang Sauter	05/11/2007	
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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													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11749885</td></tr></tbody></table>	Property Type	Number	Application Number:	11749885									
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CORRESPONDENCE DATA													
Fax Number: (802)769-8938 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: (802) 769-9454													
Email: gmontani@us.ibm.com													
Correspondent Name: William D. Sabo													
Address Line 1: 1000 River Street													
Address Line 2: 972E													
Address Line 4: Essex Junction, VERMONT 05452													
ATTORNEY DOCKET NUMBER:	BUR920060228US1												
NAME OF SUBMITTER:	William D. Sabo												

CH \$40.00 11749885

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PATENT  
REEL: 019308 FRAME: 0507

**Total Attachments: 4**

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**PATENT**

**REEL: 019308 FRAME: 0508**

**PATENT ASSIGNMENT FORM**

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"),  
Armonk, New York 10504**

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for United States Patent

**MONITORING COOL-DOWN STRESS IN A FLIP CHIP PROCESS USING MONITOR  
SOLDER BUMP STRUCTURES**

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number BUR920060228US1**;

(select one): **X** executed concurrently herewith **or** Serial No. \_\_\_\_\_ Filed on \_\_\_\_\_

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith:

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the IBM, and in particular to perfect title to said above-identified certain inventions,

and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the IBM and the firm of the power to insert in this Assignment any further identification 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.

**Executed by Inventor 1 of 5**

Signature: Charles F. Carey Date: 5/07/07  
(Charles F. Carey)

**Executed by Inventor 2 of 5**

Signature: Bernt Julius Hansen Date: 5/03/2007  
(Bernt Julius Hansen)

**Executed by Inventor 3 of 5**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Ashwani K. Malhotra)

**Executed by Inventor 4 of 5**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(David L. Questad)

**Executed by Inventor 5 of 5**

Signature: Wolfgang Sauter Date: 5/11/2007  
(Wolfgang Sauter)

DOCKET NO.: BUR920060228US1

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Signature: Bernt Julius Hansen Date: 5/03/2007  
(Bernt Julius Hansen)

**Executed by Inventor 3 of 5**

Signature: Ashwani K. Malhotra Date: 5/10/2007  
(Ashwani K. Malhotra)

**Executed by Inventor 4 of 5**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(David L. Questad)

**Executed by Inventor 5 of 5**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Ashwani K. Malhotra)

**Executed by Inventor 4 of 5**

Signature: David L. Questad Date: 05/04/07  
(David L. Questad)

**Executed by Inventor 5 of 5**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
(Wolfgang Sauter)