

PATENT ASSIGNMENT

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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>Kerry Bernstein</td><td>01/08/2008</td></tr><tr><td>Thomas Brunschwiler</td><td>01/07/2008</td></tr><tr><td>Bruno Michel</td><td>01/05/2008</td></tr></tbody></table>		Name	Execution Date	Kerry Bernstein	01/08/2008	Thomas Brunschwiler	01/07/2008	Bruno Michel	01/05/2008
Name	Execution Date								
Kerry Bernstein	01/08/2008								
Thomas Brunschwiler	01/07/2008								
Bruno Michel	01/05/2008								
RECEIVING PARTY DATA									
Name:	International Business Machines Corporation								
Street Address:	New Orchard Road								
City:	New York								
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>11933107</td></tr></tbody></table>		Property Type	Number	Application Number:	11933107				
Property Type	Number								
Application Number:	11933107								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=YOR920070591US1_Assignment#page1.tif source=YOR920070591US1_Assignment#page2.tif									

CH \$40.00 11933107

PATENT

500457189

REEL: 020470 FRAME: 0027

ASSIGNMENT

Whereas, we

Inventor and City	(1) Kerry Bernstein County of Chittenden	City of Underhill and State of Vermont
Inventor and City	(2) Thomas Brunschwiler	City of Thalwil and Country of Switzerland
Inventor and City	(3) Bruno Michel	City of Adliswil and Country of Switzerland

have invented certain improvements in

Title	ASSEMBLY INCLUDING PLURAL THROUGH WAFER VIAS, METHOD OF COOLING THE ASSEMBLY AND METHOD OF FABRICATING THE ASSEMBLY			
Dates That Inventors Signed the Declaration	and have executed, respectively, a United States patent application therefor on			
	(1)	2008, (2)	2008, and (3)	2008

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York, 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

City (1) Signed at

Date	on	<i>Kerry Bernstein</i>	
		(Kerry	Bernstein) inventor
		First Name	Middle Initial Last Name signature

City (2) Signed at

Date	on		
		(Thomas	Brunschwiler) inventor
		First Name	Middle Initial Last Name Signature

City (3) Signed at

Date	on		
		(Bruno	Michel) inventor
		First Name	Middle Initial Last Name signature

ASSIGNMENT

Whereas, we

Inventor and City	(1) Kerry Bernstein County of Chittenden	City of Underhill and State of Vermont
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Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

City (1) Signed at

Date on

(Kerry		Bernstein) inventor
First Name	Middle Initial	Last Name signature

City (2) Signed at

Date on Rischlikon
Jan 7, 2008

(Thomas		Brunschwiler) inventor
First Name	Middle Initial	Last Name Signature

City (3) Signed at Rischlikon

Date on Jan 5, 2008

(Bruno		Michel) inventor
First Name	Middle Initial	Last Name signature