

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>MUKTA G. FAROOQ</td><td>08/25/2008</td></tr><tr><td>ROBERT HANNON</td><td>09/29/2008</td></tr><tr><td>SUBRAMANIAN S. IYER</td><td>08/25/2008</td></tr><tr><td>STEVEN J. KOESTER</td><td>08/22/2008</td></tr><tr><td>SAMPATH PURUSHOTHAMAN</td><td>08/22/2008</td></tr><tr><td>ROY R. YU</td><td>08/23/2008</td></tr></tbody></table>	Name	Execution Date	MUKTA G. FAROOQ	08/25/2008	ROBERT HANNON	09/29/2008	SUBRAMANIAN S. IYER	08/25/2008	STEVEN J. KOESTER	08/22/2008	SAMPATH PURUSHOTHAMAN	08/22/2008	ROY R. YU	08/23/2008	
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ROY R. YU	08/23/2008														
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>12194065</td></tr></tbody></table>	Property Type	Number	Application Number:	12194065											
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Application Number:	12194065														
CORRESPONDENCE DATA															
Fax Number:	(561)989-9812														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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NAME OF SUBMITTER:	STEPHEN BONGINI														

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PATENT

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REEL: 021653 FRAME: 0953

Total Attachments: 2

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**ASSIGNMENT**

Whereas, we

- (1)\* Mukta G. FAROOQ, County of Dutchess and State of New York
- (2)\* Robert HANNON, County of Dutchess and State of New York
- (3)\* Subramanian S. IYER, County of Westchester and State of New York
- (4)\* Steven J. KOESTER, County of Westchester and State of New York
- (5)\* Sampath PURUSHOTHAMAN, County of Westchester and State of New York
- (6)\* Roy R. YU, County of Dutchess and State of New York

have invented certain improvements in

TITLE 3D INTEGRATED CIRCUIT DEVICE FABRICATION WITH PRECISELY  
CONTROLLABLE SUBSTRATE REMOVAL

DATES THAT and executed, respectively, a United States patent application therefor on  
INVENTORS  
SIGNED THE (1) Aug 25, 2008, (2) 9/29, 2008,  
DECLARATION (3) Aug 25, 2008, (4) 8/22, 2008,  
(5) Aug 22, 2008, (6) 08/23, 2008.

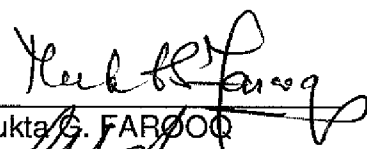
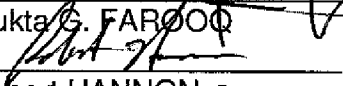



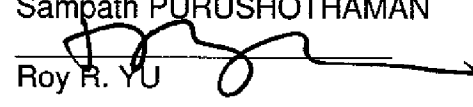
and

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 in all 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 inventions 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.

Signed and sealed:

**\*PLEASE CHECK OR FILL IN ALL  
SECTIONS WITH AN ASTERISK**

<u>LOCATION</u> (City and State you are in when signing this document)	<u>DATE</u>	<u>SIGNATURE</u>
Hopewell Tct, NY on Aug 25, 2008		 Mukta G. FAROOQ
Hopewell Junction, NY on Sep 29, 2008		 Robert HANNON
Hopewell Jtn on Aug 25, 2008		 Subramanian S. WEE
Yorktown Heights, NY on 8/22, 2008		 Steven J. KOESTER
Yorktown Heights, NY on Aug 22, 2008		 Sampath PURUSHOTHAMAN
Yorktown Heights, NY on 08/22/08, 2008		 Roy R. YU