

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>Wagdi W Abadeer</td><td>08/05/2008</td></tr><tr><td>Kiran V Chatty</td><td>08/08/2008</td></tr><tr><td>Robert J Gauthier Jr.</td><td>08/08/2008</td></tr><tr><td>Jed H Rankin</td><td>08/07/2008</td></tr><tr><td>Robert Robison</td><td>08/11/2008</td></tr><tr><td>Yun Shi</td><td>08/05/2008</td></tr><tr><td>William R Tonti</td><td>08/06/2008</td></tr></tbody></table>	Name	Execution Date	Wagdi W Abadeer	08/05/2008	Kiran V Chatty	08/08/2008	Robert J Gauthier Jr.	08/08/2008	Jed H Rankin	08/07/2008	Robert Robison	08/11/2008	Yun Shi	08/05/2008	William R Tonti	08/06/2008	
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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							
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PROPERTY NUMBERS Total: 1																	
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CORRESPONDENCE DATA																	
Fax Number: (516)742-4366 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Address Line 2: Suite 300																	
Address Line 4: GARDEN CITY, NEW YORK 11530																	
ATTORNEY DOCKET NUMBER:	BUR920080156US2																

CH \$40.00 12191683

PATENT

500621335

REEL: 021391 FRAME: 0004

NAME OF SUBMITTER:

Anthony J. Canale

Total Attachments: 2

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ASSIGNMENT

BUR920080156US2

INVENTOR
AND CITY

Whereas, we

(1) Wagdi W. Abadeer
County of Chittenden
and (2) Kiran V. Chatty
County of Chittenden
and (3) Robert J. Gauthier Jr.
County of Chittenden
and (4) Jed H. Rankin
County of Chittenden
and (5) Robert Robison
County of Chittenden
and (6) Yun Shi
County of Chittenden
and (7) William R. Tonti
County of Chittenden

of Jericho,
and State of Vermont,
of Williston,
and State of Vermont,
of Hinesburg,
and State of Vermont,
of Richmond,
and State of Vermont,
of Colchester,
and State of Vermont,
of South Burlington,
and State of Vermont,
of Essex Junction,
and State of Vermont,

have invented certain improvements in

BACK-END-OF-LINE RESISTIVE SEMICONDUCTOR STRUCTURES

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

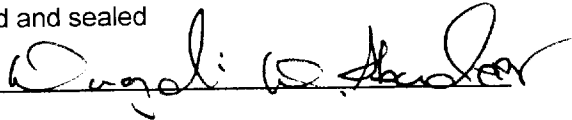
and executed, respectively, a United States patent application therefor on

(1) August 5, 2008, (4) August 7, 2008, (6) Aug. 13, 2008,
(2) 08/08, 2008, (5) 8-11, 2008, (7) 8/06, 2008,
(3) August 8, 2008.

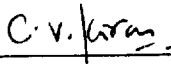
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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



Wagdi W. Abadeer

on 8/05, 2008


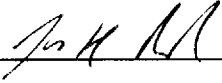
Kiran V. Chatty

on 08/08, 2008



Robert J. Gauthier Jr.

on 8/8, 2008



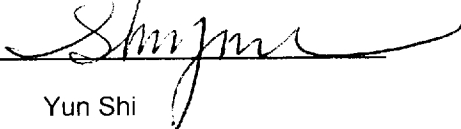
Jed H. Rankin

on 8/7, 2008



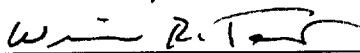
Robert Robison

on 8/11, 2008



Yun Shi

on 08/03, 2008



William R. Tonti

on 8/06, 2008