### PATENT ASSIGNMENT

**Electronic Version v1.1**
**Stylesheet Version v1.1**

### SUBMISSION TYPE:
- NEW ASSIGNMENT

### NATURE OF CONVEYANCE:
- ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Hanyi DING</td>
<td>03/07/2008</td>
</tr>
<tr>
<td>Kai D. FENG</td>
<td>03/07/2008</td>
</tr>
<tr>
<td>Zhong-Xiang HE</td>
<td>03/10/2008</td>
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<tr>
<td>Xuefeng LIU</td>
<td>03/07/2008</td>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>INTERNATIONAL BUSINESS MACHINES CORPORATION</th>
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<tbody>
<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>
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### PROPERTY NUMBERS Total: 1

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<tr>
<th>Property Type</th>
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<tr>
<td>Application Number</td>
<td>12046750</td>
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### CORRESPONDENCE DATA

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- **Correspondence will be sent via US Mail when the fax attempt is unsuccessful.**
- **Phone:** 703-716-1191
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- **Address Line 4:** Reston, VIRGINIA 20191

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- BUR920070052US2

### NAME OF SUBMITTER:
- Andrew M. Calderon

Total Attachments: 2
source=P34040_assignment#page1.tif
ASSIGNMENT

Whereas, we

INVENTOR
AND CITY
(1) Hanyi DING
County of Chittenden

and (2) Kai D. FENG
County of Dutchess

and (3) Zhong-Xiang HE
County of Chittenden

and (4) Xuefeng LIU
County of Chittenden

of Essex Junction,
and State of Vermont,
of Hopewell Junction,
and State of New York,
of Essex Junction,
and State of Vermont,
of South Burlington,
and State of Vermont,

have invented certain improvements in DESIGN STRUCTURE FOR ON CHIP SHIELDING STRUCTURE FOR INTEGRATED CIRCUITS OR DEVICES ON A SUBSTRATE

DATES THAT INVENTORS SIGNED THE DECLARATION
(1) ____________, 2008, (2) ____________, 2008,

(3) ____________, 2008, (4) ____________, 2008,

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

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 therefore;

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:

(1) ____________ on March 7, 2008

(2) ____________ on ____________, 2008

(3) ____________ on March 10, 2008

(4) ____________ on March 17, 2008
ASSIGNMENT

INVENTOR
AND CITY

Whereas, we

(1) Hanyi DING
County of Chittenden

of Essex Junction,
and State of Vermont,

and (2) Kai D. FENG
County of Dutchess

of Hopewell Junction,
and State of New York,

and (3) Zhong-Xiang HE
County of Chittenden

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of South Burlington,
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have invented certain improvements in DESIGN STRUCTURE FOR ON CHIP SHIELDING STRUCTURE FOR INTEGRATED CIRCUITS OR DEVICES ON A SUBSTRATE

DATES THAT INVENTORS SIGNED THE DECLARATION

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:

(1) ____________________________ on __________, 2008

(2) ____________________________ on March 7, 2008

(3) ____________________________ on __________, 2008

(4) ____________________________ on __________, 2008