

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kai Di Feng</td> <td>12/19/2007</td> </tr> <tr> <td>Alvin Jose Joseph</td> <td>01/08/2008</td> </tr> <tr> <td>Donald J. Papae</td> <td>01/07/2008</td> </tr> <tr> <td>Xiaojin Wei</td> <td>12/20/2007</td> </tr> </tbody> </table>		Name	Execution Date	Kai Di Feng	12/19/2007	Alvin Jose Joseph	01/08/2008	Donald J. Papae	01/07/2008	Xiaojin Wei	12/20/2007
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Kai Di Feng	12/19/2007										
Alvin Jose Joseph	01/08/2008										
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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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12013653</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12013653						
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Application Number:	12013653										
CORRESPONDENCE DATA											
Fax Number:	(845)892-6363										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	845-894-6919										
Email:	carolre@us.ibm.com										
Correspondent Name:	International Business Machines Corp.										
Address Line 1:	2070 Route 52, Bldg. 321 / Zip 482										
Address Line 2:	Todd M.C. Li										
Address Line 4:	Hopewell Junction, NEW YORK 12533										
ATTORNEY DOCKET NUMBER:	FIS920070411US1										
NAME OF SUBMITTER:	Todd M.C. Li										
Total Attachments: 3											

CH \$40.00 12013653

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**PATENT
 REEL: 020413 FRAME: 0511**

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ASSIGNMENT

Whereas, we

**INVENTOR
AND CITY**

- (1) **Kai Di Feng** of Hopewell Junction, County of Dutchess and State of New York;
- (2) **Alvin Jose Joseph** of Williston, County of Chittenden and State of Vermont;
- (3) **Donald J. Papae** of Hopewell Junction, County of Dutchess and State of New York;
- (4) **Xiaojin Wei** of Fishkill, County of Dutchess and State of New York;

have invented certain improvements in

TITLE LOCAL AREA SEMICONDUCTOR COOLING SYSTEM

**DATES THAT
INVENTORS
SIGNED THE
DECLARATION**

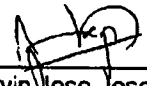
and executed, respectively, a United States patent application therefor on

- (1) _____, 2007, (2) 01/08, 2007,
- (3) _____, 2007, (4) _____, 2007,

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 _____, 2007
Kai Di Feng
- (2)  _____ on 1/8, 2008
Alvin Jose Joseph
- (3) _____ on _____, 2007
Donald J. Papae
- (4) _____ on _____, 2007
Xiaojin Wei

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Signed and sealed

(1) *Kai Di Feng* on Dec 19, 2007
Kai Di Feng

(2) _____ on _____, 2007
Alvin Jose Joseph

(3) _____ on _____, 2007
Donald J. Papae

(4) _____ on _____, 2007
Xiaojin Wei

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- (1) _____, 2008 (2) _____, 2008
- (3) 01/07, 2008 (4) 12/20, 2007,

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Signed and sealed

(1) _____ on _____, 2008
Kai Di Feng

(2) _____ on _____, 2008
Alvin Jose Joseph

(3) Donald J. Papae on 01/07, 2008
Donald J. Papae

(4) Xiaojin Wei on 12/20, 2007
Xiaojin Wei