

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<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>Thomas M. Cipolla</td> <td>08/05/2008</td> </tr> <tr> <td>Evan George Colgan</td> <td>08/04/2008</td> </tr> <tr> <td>Paul W. Coteus</td> <td>08/04/2008</td> </tr> <tr> <td>Shawn Anthony Hall</td> <td>08/05/2008</td> </tr> <tr> <td>Shurong Tian</td> <td>08/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	Thomas M. Cipolla	08/05/2008	Evan George Colgan	08/04/2008	Paul W. Coteus	08/04/2008	Shawn Anthony Hall	08/05/2008	Shurong Tian	08/04/2008
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<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	International Business Machines Corporation												
<b>Street Address:</b>	New Orchard Road												
<b>City:</b>	Armonk												
<b>State/Country:</b>	NEW YORK												
<b>Postal Code:</b>	10504												
<b>PROPERTY NUMBERS Total: 1</b>													
<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>12185520</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12185520								
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<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(516)742-4366												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	516-742-4343												
<b>Email:</b>	ejoyce@ssmp.com												
<b>Correspondent Name:</b>	Scully, Scott, Murphy & Presser, P.C.												
<b>Address Line 1:</b>	400 Garden City Plaza, Suite 300												
<b>Address Line 4:</b>	Garden City, NEW YORK 11530												
<b>ATTORNEY DOCKET NUMBER:</b>	YOR920080455US1 (23064)												
<b>NAME OF SUBMITTER:</b>	Steven Fischman												

**CH \$40.00 12185520**

Total Attachments: 1  
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ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY

- (1) Thomas M. Cipolla  
County of Westchester
- (2) Evan G. Colgan  
County of Rockland
- (3) Paul W. Coteus  
County of Westchester
- (4) Shawn A. Hall  
County of Westchester
- and (5) Shurong Tian  
County of Westchester

of Katonah,  
and State of New York,  
of Chestnut Ridge,  
and State of New York,  
of Yorktown Heights,  
and State of New York,  
of Pleasantville,  
and State of New York  
of Mount Kisco  
and State of New York

have invented certain improvements in

TITLE :

APPARATUS AND METHOD OF DIRECT WATER COOLING SEVERAL PARALLEL CIRCUIT CARDS EACH CONTAINING SEVERAL CHIP PACKAGES

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

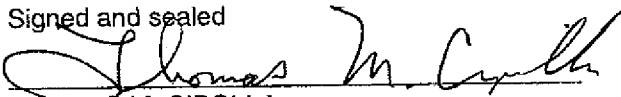
and executed, respectively, a United States patent application therefor on

- (1) 8-5-, 2008, (2) 8/4, 2008,
- (3) 8/4/, 2008, (4) 8/5, 2008, AND (5) 08/4, 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.

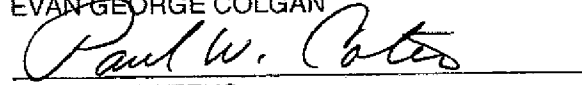
Signed and sealed

  
 THOMAS M. CIPOLLA

on 8-5-, 2008

  
 EVAN GEORGE COLGAN

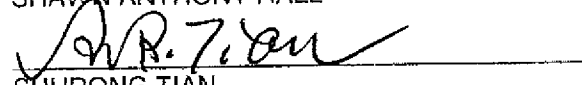
on 8/4/, 2008

  
 PAUL W. COTEUS

on 8/4/, 2008

  
 SHAWN ANTHONY HALL

on 8/5, 2008

  
 SHURONG TIAN

on 8/4, 2008

PATENT