

**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>Dae Ik KIM</td> <td>04/05/2007</td> </tr> <tr> <td>Jonghae KIM</td> <td>04/05/2007</td> </tr> <tr> <td>Moon Ju KIM</td> <td>04/05/2007</td> </tr> <tr> <td>James R. MOULIC</td> <td>04/05/2007</td> </tr> <tr> <td>Hong Hua SONG</td> <td>04/05/2007</td> </tr> </tbody> </table> |   | Name          | Execution Date | Dae Ik KIM          | 04/05/2007 | Jonghae KIM | 04/05/2007 | Moon Ju KIM | 04/05/2007 | James R. MOULIC | 04/05/2007 | Hong Hua SONG | 04/05/2007 |
| Name  | Execution Date                              |               |                |                     |            |             |            |             |            |                 |            |               |            |
| Dae Ik KIM  | 04/05/2007                                  |               |                |                     |            |             |            |             |            |                 |            |               |            |
| Jonghae KIM   | 04/05/2007                                  |               |                |                     |            |             |            |             |            |                 |            |               |            |
| Moon Ju KIM   | 04/05/2007                                  |               |                |                     |            |             |            |             |            |                 |            |               |            |
| James R. MOULIC   | 04/05/2007                                  |               |                |                     |            |             |            |             |            |                 |            |               |            |
| Hong Hua SONG   | 04/05/2007                                  |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <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>11733318</td> </tr> </tbody> </table>   |   | Property Type | Number         | Application Number: | 11733318   |             |            |             |            |                 |            |               |            |
| Property Type   | Number                                      |               |                |                     |            |             |            |             |            |                 |            |               |            |
| Application Number:   | 11733318                                    |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>CORRESPONDENCE DATA</b>  |   |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>Fax Number:</b>  | (518)452-5579                               |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |   |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>Phone:</b>   | 518-452-5600                                |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>Email:</b>   | sj@hrfmlaw.com                              |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>Correspondent Name:</b>  | Kevin P. Radigan, Esq.                      |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>Address Line 1:</b>  | HESLIN ROTHENBERG FARLEY & MESITI, P.C.     |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>Address Line 2:</b>  | 5 Columbia Circle                           |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>Address Line 4:</b>  | Albany, NEW YORK 12203                      |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>ATTORNEY DOCKET NUMBER:</b>  | END920070049US1                             |               |                |                     |            |             |            |             |            |                 |            |               |            |
| <b>NAME OF SUBMITTER:</b>   | Kevin P. Radigan, Esq.                      |               |                |                     |            |             |            |             |            |                 |            |               |            |

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Total Attachments: 4

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## ASSIGNMENT

Whereas, we

- |   |  |
|---|--|
| (1) Dae Ik KIM<br>County of Dutchess      | of Fishkill<br>State of New York         |
| (2) Jonghae KIM<br>County of Dutchess     | of Fishkill<br>State of New York         |
| (3) Moon Ju KIM<br>County of Dutchess     | of Wappingers Falls<br>State of New York |
| (4) James R. MOULIC<br>County of Dutchess | Of Poughkeepsie<br>State of New York     |

- and -

- |                   |                                     |
|-------------------|-------------------------------------|
| (5) Hong Hua SONG | City of Beijing<br>Country of China |
|-------------------|-------------------------------------|

have invented certain improvements in

### MONITORING RELIABILITY OF A DIGITAL SYSTEM

and executed a United States Patent Application therefor on

(1) 4/5/2007, (2) 4/5/2007, (3) 4/5/2007, (4) 4/5/2007  
and (5) 4/5/2007.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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;

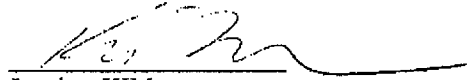
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States and foreign 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 Patents granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patents 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


(1) at East Fishkill, NY  
on 04/02/2007

  
Dae Ik KIM

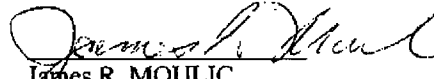
(2) at East Fishkill  
on 4/5/07

  
Jonghae KIM

(3) at East Fishkill  
on 4/5/07

  
Moon Ju KIM

(4) at East Fishkill  
on 4/5/07

  
James R. MOULIC

(5) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Hong Hua SONG

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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 the invention therein disclosed for the United States and 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 Patents granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patents 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

(1) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Dae Ik KIM

(2) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Jonghae KIM

(3) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
Moon Ju KIM

(4) at \_\_\_\_\_  
on \_\_\_\_\_

\_\_\_\_\_  
James R. MOULIC

(5) at Shanghai P.R.C.  
on 2007-4-5

Hong Hua SONG  
\_\_\_\_\_  
Hong Hua SONG