

**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>Daniel Joseph Friedman</td> <td>01/31/2008</td> </tr> <tr> <td>Phillip John Restle</td> <td>02/01/2008</td> </tr> <tr> <td>Alexander V. Rylyakov</td> <td>01/31/2008</td> </tr> <tr> <td>Jose A. Tierno</td> <td>01/31/2008</td> </tr> </tbody> </table> |   | Name          | Execution Date | Daniel Joseph Friedman | 01/31/2008 | Phillip John Restle | 02/01/2008 | Alexander V. Rylyakov | 01/31/2008 | Jose A. Tierno | 01/31/2008 |
| Name   | Execution Date                              |               |                |                        |            |                     |            |                       |            |                |            |
| Daniel Joseph Friedman   | 01/31/2008                                  |               |                |                        |            |                     |            |                       |            |                |            |
| Phillip John Restle  | 02/01/2008                                  |               |                |                        |            |                     |            |                       |            |                |            |
| Alexander V. Rylyakov  | 01/31/2008                                  |               |                |                        |            |                     |            |                       |            |                |            |
| Jose A. Tierno   | 01/31/2008                                  |               |                |                        |            |                     |            |                       |            |                |            |
| <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>12024457</td> </tr> </tbody> </table>  |   | Property Type | Number         | Application Number:    | 12024457   |                     |            |                       |            |                |            |
| Property Type  | Number                                      |               |                |                        |            |                     |            |                       |            |                |            |
| Application Number:  | 12024457                                    |               |                |                        |            |                     |            |                       |            |                |            |
| <b>CORRESPONDENCE DATA</b>   |   |               |                |                        |            |                     |            |                       |            |                |            |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |   |               |                |                        |            |                     |            |                       |            |                |            |
| <b>Phone:</b>  | (972) 385-8777                              |               |                |                        |            |                     |            |                       |            |                |            |
| <b>Email:</b>  | cloven@yeeiplaw.com                         |               |                |                        |            |                     |            |                       |            |                |            |
| <b>Correspondent Name:</b>   | Duke W. Yee                                 |               |                |                        |            |                     |            |                       |            |                |            |
| <b>Address Line 1:</b>   | Yee & Associates, P.C.                      |               |                |                        |            |                     |            |                       |            |                |            |
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| <b>ATTORNEY DOCKET NUMBER:</b>   | AUS920080073US1                             |               |                |                        |            |                     |            |                       |            |                |            |
| <b>NAME OF SUBMITTER:</b>  | Wayne P. Bailey                             |               |                |                        |            |                     |            |                       |            |                |            |
| Total Attachments: 2   |   |               |                |                        |            |                     |            |                       |            |                |            |

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**PATENT  
 REEL: 020457 FRAME: 0103**

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A S S I G N M E N T

Whereas, we,

(1) Daniel Joseph Friedman of Sleepy Hollow  
County of Westchester and State of New York

and

(2) Phillip John Restle of Katonah  
County of Westchester and State of New York

and

(3) Alexander V. Rylyakov of Mount Kisco  
County of Westchester and State of New York

and

(4) Jose A. Tierno of Stamford  
County of Fairfield and State of Connecticut

have invented certain improvements in

**Technique for Efficiently Managing Both Short-Term and Long-Term Frequency Adjustments of an Electronic Circuit Clock Signal**

and executed, respectively, a United States patent application therefore on (Dates Inventors Signed Declaration) (1) 1/31/2008, (2) 2/1/2008, (3) 1/31/2008, and (4) 1/31/2008.

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 invention 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.

(1) Signed in Yorktown Heights, NY on 1/31/2008  
location date

Daniel J. Friedman  
Daniel Joseph Friedman

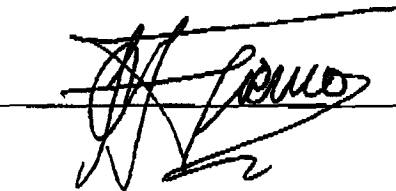
and (2) Signed in Yorktown Heights on 02/01/2008  
location date

  
Phillip John Restle

and (3) Signed in YORKTOWN HEIGHTS on 01/31/2008  
location date

  
Alexander V. Rylyakov

and (4) Signed in Yorktown Heights on 1/31/2008  
location date

  
Jose A. Tierno