

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| David Franklin Manning | 12/11/2007 |
| David James Shepherd | 12/11/2007 |
| 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 | |
| Property Type | Number |
| Application Number: | 11955081 |
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| Total Attachments: 1 | |
| source=CA920070140US1_FiledAssignment#page1.tif | |

CH \$40.00 11955081

A S S I G N M E N T

Whereas, we,

(1) David Franklin Manning of Victoria
Province of British Columbia and Country of Canada

and

(2) David James Shepherd of Victoria
Province of British Columbia and Country of Canada

have invented certain improvements in

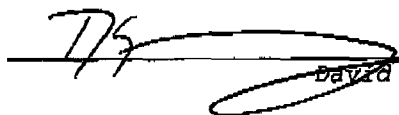
Error Detection and Recovery Using an Asynchronous Transaction Journal

and executed, respectively, a United States patent application therefore on
(Dates Inventors Signed Declaration) (1) Dec 11, 2007, and
(2) Dec 11, 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
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 Victoria, BC on Dec 11, 2007.
location date


David Franklin Manning

and (2) Signed in Victoria, BC on Dec 11, 2007.
location date


David James Shepherd