

**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>David J. Shepherd</td> <td>11/28/2007</td> </tr> <tr> <td>David F. Manning</td> <td>11/29/2007</td> </tr> </tbody> </table>		Name	Execution Date	David J. Shepherd	11/28/2007	David F. Manning	11/29/2007
Name	Execution Date						
David J. Shepherd	11/28/2007						
David F. Manning	11/29/2007						
<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>11951703</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11951703		
Property Type	Number						
Application Number:	11951703						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(518)449-0047						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
<b>Phone:</b>	518-449-0044						
<b>Email:</b>	kjones@hwdpatents.com						
<b>Correspondent Name:</b>	Hoffman, Warnick & D'Alessandro LLC						
<b>Address Line 1:</b>	75 State Street, 14th Floor						
<b>Address Line 4:</b>	Albany, NEW YORK 12207						
<b>ATTORNEY DOCKET NUMBER:</b>	CA920070089US1						
<b>NAME OF SUBMITTER:</b>	Ronald A. D'Alessandro						
<b>Total Attachments: 1</b> source=CA920070089US1_SignedAssignment#page1.tif							

CH \$40.00 11951703

**ASSIGNMENT**

Whereas, we

**INVENTOR  
AND CITY**

(1) **David J. Shepherd**, City of Victoria, B.C., Country of Canada; and  
(2) **David F. Manning**, City of Victoria, B.C., Country of Canada;

have invented certain improvements in

**TITLE**

**INDICATING PENDING ASYNCHRONOUS UPDATES IN A GRAPHICAL USER INTERFACE  
(GUI)**

**DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION**

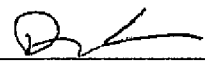
and executed, respectively, a United States patent application therefor on

(1) Nov 28, 2007, (2) Nov 29, 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)   
\_\_\_\_\_ **David J. Shepherd**

on Nov 28, 2007

(2)   
\_\_\_\_\_ **David F. Manning**

on Nov 29, 2007