

**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>Richard M. Bicheno</td> <td>03/27/2008</td> </tr> <tr> <td>Tim Dunn</td> <td>04/12/2008</td> </tr> <tr> <td>Ian P. Hurworth</td> <td>03/27/2008</td> </tr> <tr> <td>Xiaoming Zhang</td> <td>04/07/2008</td> </tr> </tbody> </table>		Name	Execution Date	Richard M. Bicheno	03/27/2008	Tim Dunn	04/12/2008	Ian P. Hurworth	03/27/2008	Xiaoming Zhang	04/07/2008
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Richard M. Bicheno	03/27/2008										
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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>12102533</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12102533						
Property Type	Number										
Application Number:	12102533										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(612)607-7100										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	612-607-7000										
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<b>Correspondent Name:</b>	Oppenheimer Wolff & Donnelly LLP										
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<b>Address Line 2:</b>	Plaza VII, Suite 3300										
<b>Address Line 4:</b>	Minneapolis, MINNESOTA 55402-1609										
<b>ATTORNEY DOCKET NUMBER:</b>	GB920080069US1 (3022)										
<b>NAME OF SUBMITTER:</b>	Adam P. Kiedrowski										
Total Attachments: 2											

**CH \$40.00 12102533**

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# ASSIGNMENT

Whereas I/we

INVENTOR/CITY  
COUNTY/STATE

(1) Richard M. Bicheno  
County of Hampshire

City of Havant, Hants  
Country of United Kingdom

(2) Tim Dunn  
County of Hampshire

City of Warrford  
Country of United Kingdom

(3) Ian P. Hurworth  
County of Hampshire

City of Eastleigh  
Country of United Kingdom

(4) Xiaoming Zhang  
County of Hampshire

City of Eastleigh, Hants  
Country of United Kingdom

HAVE INVENTED CERTAIN IMPROVEMENTS, IN

TITLE

USING AUDIO TO DETECT CHANGES TO THE PERFORMANCE OF AN  
APPLICATION

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT  
INVENTOR(S)  
SIGNED THE  
DECLARATION

- (1) 27<sup>th</sup> March 2008 (2) 12<sup>th</sup> April 2008  
(3) 27 March 2008 (4) 7/4/08 (2 April 2008)

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 invention therein disclosed for the United States and foreign countries, and in all foreign countries, including 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:

CITY  
DATE

- (1) at Winchester by Richard M. Baker  
on 27<sup>th</sup> March 2008
- (2) at Winchester by T. P. A.  
on 12 April 2008
- (3) at Winchester by Ian P. Hurworth  
on 27 March
- (4) at Winchester by [Signature]  
on 7 April 2008

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