

**PATENT ASSIGNMENT**

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| SUBMISSION TYPE:   | NEW ASSIGNMENT                              |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                                  |
| <b>CONVEYING PARTY DATA</b>  |   |
| <b>Name</b>  | <b>Execution Date</b>                       |
| Stephen J Hobson   | 01/21/2008                                  |
| Gavin D. Beardall  | 01/21/2008                                  |
| Jose Emir Garza  | 01/18/2008                                  |
| <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>   |   |
| <b>Property Type</b>   | <b>Number</b>                               |
| Application Number:  | 12250536                                    |
| <b>CORRESPONDENCE DATA</b>   |   |
| Fax Number:  | (301)294-0312                               |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |   |
| Phone:   | 301-294-0434                                |
| Email:   | bijantadayon@maxvalueip.com                 |
| Correspondent Name:  | Bijan Tadayon                               |
| Address Line 1:  | 11204 Albermyrtle Road                      |
| Address Line 4:  | Potomac, MARYLAND 20854                     |
| ATTORNEY DOCKET NUMBER:  | GB920070189US2                              |
| NAME OF SUBMITTER:   | Bijan Tadayon                               |
| Total Attachments: 1<br>source=AssignAE00004#page1.tif                               |   |

CH \$40.00 12250536

Attorney Docket No.: GB920070189

**ASSIGNMENT**

Whereas, we (I) have invented certain improvements in

**Method and system for publish-subscribe looping detection and correction**

and executed a United States patent application therefor on the date(s) shown on their corresponding signed declaration form.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"), 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, named below, 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) Stephen J Hobson of Hampton  
State of Middlesex and Country of UK  
Signed at WINCHESTER on 21 JAN 2008. Stephen J Hobson  
(City) (Date) (Signature)
- (2) Gavin D. Beardall of Alresford  
State of Hampshire and Country of UK  
Signed at WINCHESTER on 21 JAN 2008. G D Beardall  
(City) (Date) (Signature)
- (3) Jose Emir Garza of Richmond  
State of Surrey and Country of UK  
Signed at LONDON on 18 JAN 2008. Jose Emir Garza  
(City) (Date) (Signature)