

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Akram A. Bou-Ghannam</td> <td>12/19/2003</td> </tr> <tr> <td>Gerald M. McCobb</td> <td>12/19/2003</td> </tr> </tbody> </table>		Name	Execution Date	Akram A. Bou-Ghannam	12/19/2003	Gerald M. McCobb	12/19/2003
Name	Execution Date						
Akram A. Bou-Ghannam	12/19/2003						
Gerald M. McCobb	12/19/2003						
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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13334308</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13334308		
Property Type	Number						
Application Number:	13334308						
CORRESPONDENCE DATA							
Fax Number:	6176468646						
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Marc S. Johannes						
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ATTORNEY DOCKET NUMBER:	N0484.70802US02						
NAME OF SUBMITTER:	Marc S. Johannes						
Total Attachments: 1 source=N0484.70802US02 - Assignment 1#page1.tif							

CH \$40.00 13334308

**ASSIGNMENT**

WHEREAS, we:

- (1) Akram A. Bou-Ghannam                      Of Lake Worth  
County of Palm Beach                      and State of Florida
- (2) Gerald M. McCobb                              Of Delray Beach  
County of Palm Beach                      and State of ~~Texas~~ *Florida*

have invented certain improvements in .

**MANAGING APPLICATION INTERACTIONS USING  
DISTRIBUTED MODALITY COMPONENTS**

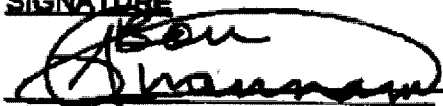

and executed a United States patent application therefore on the following date(s):

- (1) Dec. 19, 2003
- (2) Dec. 19, 2003

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 application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on 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:

	<u>LOCATION</u>	<u>DATE</u>	<u>SIGNATURE</u>
(1)	<u>Boca Raton, FL</u>	<u>12/19/2003</u>	 Akram A. Bou-Ghannam
(2)	<u>BOCA RATON, FL</u>	<u>12/19/2003</u>	 Gerald M. McCobb