

## 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>Allen Keith Bates</td><td>03/20/2007</td></tr><tr><td>Daniel James Winarski</td><td>03/20/2007</td></tr></tbody></table>		Name	Execution Date	Allen Keith Bates	03/20/2007	Daniel James Winarski	03/20/2007
Name	Execution Date						
Allen Keith Bates	03/20/2007						
Daniel James Winarski	03/20/2007						
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							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11689402</td></tr></tbody></table>		Property Type	Number	Application Number:	11689402		
Property Type	Number						
Application Number:	11689402						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	TUC920060162US1						
NAME OF SUBMITTER:	Dale F. Regelman						
Total Attachments: 1 source=Assignment#page1.tif							

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# A S S I G N M E N T

Docket No. TUC920060162US1

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Whereas, we

- (1) Allen Keith Bates of Tucson, County of Pima and State of Arizona
- (2) Daniel James Winarski of Tucson, County of Pima and State of Arizona,

having invented certain improvements in

## APPARATUS AND METHOD TO STORE INFORMATION IN A HOLOGRAPHIC DATA STORAGE MEDIUM

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

(1) 3-20, 2007 (2) 20 March, 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, I, 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 all rights of priority resulting from the filing of said United States application, and I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) at Tucson, AZ  
on 3-20, 2007,

Allen Keith Bates  
Allen Keith Bates

(2) at Tucson, AZ  
on 20 March, 2007.

Daniel James Winarski  
Daniel James Winarski