

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Allen Keith Bates	06/05/2007
Susan Encinas	06/12/2007
Daniel James Winarski	06/04/2007
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	
Property Type	Number
Application Number:	11763913
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ATTORNEY DOCKET NUMBER:	TUC920060218US1
NAME OF SUBMITTER:	Dale F. Regelman
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A S S I G N M E N T

Docket No. TUC920060218US1

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Whereas, we

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

having invented certain improvements in

APPARATUS AND METHOD TO MANAGE INFORMATION USING AN OPTICAL AND HOLOGRAPHIC DATA STORAGE MEDIUM

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

- (1) 6-5, 2007
- (2) 6/12, 2007
- (3) 4 June, 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 6-5, 2007,

Allen Keith Bates

Allen Keith Bates

(2) at Tucson, AZ

on 6/12, 2007,

Susan Encinas

Susan Encinas

(3) at Tucson, AZ

on 4 June, 2007.

Daniel James Winarski

Daniel James Winarski