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NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
Name Execution Date		Execution Date	
Brent Edward Davis 07/19/2007		07/19/2007	
RECEIVING PARTY DATA			
Name: International Bu	International Business Machines Corporation		
Street Address: New Orchard R	New Orchard Road		
City: Armonk	Armonk		
State/Country: NEW YORK	NEW YORK		
Postal Code: 10504	10504		
PROPERTY NUMBERS Total: 1			
Property Type	Property Type Number		
Application Number: 1	779956		
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Correspondent Name:Jack P. Friedman-Schmeiser, Olsen &WattsAddress Line 1:22 Century Hill Drive, Suite 302			
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ATTORNEY DOCKET NUMBER: END920070063US1			
NAME OF SUBMITTER:	Jack P. Friedman, Reg. No. 44,688		
Total Attachments: 1 source=END920070063US1-assignment#page1.tif			

ASSIGNMENT

Docket No. END920070063US1

of, Louisville

and State of, Colorado

Whereas, we

AND CITY	(1) Brent Edward Davis	
	County of Boulder	
	Obality of Doulate	

have invented certain improvements in

TITLE METHOD AND SYSTEM FOR DYNAMICALLY DETERMINING HASH FUNCTION VALUES FOR FILE TRANSFER INTEGRITY VALIDATION

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

INVENTORS SIGNED THE DECLARATION

INVENTOD

(1) JULY 19, 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, 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, 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 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 and sea

(Brent Edward Davis)

on Jucy 19, 2007