

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Brian J. Cagno</td><td>06/09/2008</td></tr><tr><td>John C. Elliott</td><td>06/05/2008</td></tr><tr><td>Gregg S. Lucas</td><td>06/05/2008</td></tr><tr><td>Kenny N. Qiu</td><td>06/05/2008</td></tr></tbody></table>	Name	Execution Date	Brian J. Cagno	06/09/2008	John C. Elliott	06/05/2008	Gregg S. Lucas	06/05/2008	Kenny N. Qiu	06/05/2008	
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Brian J. Cagno	06/09/2008										
John C. Elliott	06/05/2008										
Gregg S. Lucas	06/05/2008										
Kenny N. Qiu	06/05/2008										
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>12146098</td></tr></tbody></table>	Property Type	Number	Application Number:	12146098							
Property Type	Number										
Application Number:	12146098										
CORRESPONDENCE DATA											
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Total Attachments: 1											

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PATENT
REEL: 021153 FRAME: 0656

ASSIGNMENT

Docket No. SJO920070125US1

Whereas, we

INVENTOR AND CITY	(1) Brian J. Cagno County of Pima and (2) John C. Elliott County of Pima and (3) Gregg S. Lucas County of Pima and (4) Kenny N. Qiu County of Pima	of Tucson, and State of Arizona, of Tucson, and State of Arizona, of Tucson, and State of Arizona, of Tucson, and State of Arizona,
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have invented certain improvements in

TITLE Flash Sector Seeding to Reduce Program Times

DATES THAT INVENTORS
SIGNED THE DECLARATION and executed, respectively, a United States patent application therefor on

(1) <u>6/9</u>	2008, (2) <u>6/9</u>	2008,
(3) <u>6/5</u>	2008, (4) <u>6/5</u>	2008.

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 sealed

Brian J. Cagno
Brian J. Cagno

on June 9, 2008

John C. Elliott
John C. Elliott

on June 5, 2008

Gregg S. Lucas
Gregg S. Lucas

on June 5, 2008

Kenny N. Qiu
Kenny N. Qiu

on June 6, 2008

PATENT

RECORDED: 06/26/2008

REEL: 021153 FRAME: 0658