

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nicolas Marc Clayton</td> <td>09/28/2010</td> </tr> <tr> <td>Robert Frederic Kern</td> <td>09/10/2010</td> </tr> <tr> <td>David B. Petersen</td> <td>09/14/2010</td> </tr> <tr> <td>David Michael Shackelford</td> <td>09/20/2010</td> </tr> <tr> <td>Gail Andrea Spear</td> <td>09/20/2010</td> </tr> <tr> <td>John Glenn Thompson</td> <td>09/13/2010</td> </tr> </tbody> </table>		Name	Execution Date	Nicolas Marc Clayton	09/28/2010	Robert Frederic Kern	09/10/2010	David B. Petersen	09/14/2010	David Michael Shackelford	09/20/2010	Gail Andrea Spear	09/20/2010	John Glenn Thompson	09/13/2010
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RECEIVING PARTY DATA															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>International Business Machines Corporation</td> </tr> <tr> <td>Street Address:</td> <td>New Orchard Road</td> </tr> <tr> <td>City:</td> <td>Armonk</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10504</td> </tr> </table>		Name:	International Business Machines Corporation	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504				
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PROPERTY NUMBERS Total: 1															
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CORRESPONDENCE DATA															
<p>Fax Number: (310)556-7984</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 310 5567983</p> <p>Email: kmeehan@ipmatters.com</p> <p>Correspondent Name: Konrad Raynes and Victor LLP</p> <p>Address Line 1: 315 S. Beverly Drive Suite 210</p> <p>Address Line 4: Beverly Hills, CALIFORNIA 90212</p>															
ATTORNEY DOCKET NUMBER:	TUC920100076US1 (22.143)														
NAME OF SUBMITTER:	Karlin Meehan														

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PATENT
REEL: 025398 FRAME: 0186

Total Attachments: 8

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ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: MAINTAINING MIRROR AND STORAGE SYSTEM COPIES OF
VOLUMES AT MULTIPLE REMOTE SITES

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application Number: _____ (insert series code / serial number here if/when
available)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned Inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

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Executed by Inventor 1

Signature:  Date: 28/09/2010
Nicolas Marc CLAYTON

Executed by Inventor 2

Signature: _____ Date: _____
Robert Frederic KERN

Executed by Inventor 3

Signature: _____ Date: _____
David B. PETERSEN

Executed by Inventor 4

Signature: _____ Date: _____
David Michael SHACKELFORD

Executed by Inventor 5

Signature: _____ Date: _____
Gail Andrea SPEAR

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Signature: _____ Date: _____
John Glenn THOMPSON

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Signature: David Michael Shackelford Date: 9/20/2010
David Michael SHACKELFORD

Executed by Inventor 5

Signature: Gail Andrea Spear Date: 9-20-2010
Gail Andrea SPEAR

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Signature: John Glenn Thompson Date: 09-13-2010
John Glenn THOMPSON

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Signature: _____ Date: _____
Nicolas Marc CLAYTON

Executed by Inventor 2

Signature: Robert Frederic Kern Date: 9/10/10
Robert Frederic KERN

Executed by Inventor 3

Signature: _____ Date: _____
David B. PETERSEN

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Signature: _____ Date: _____
Gail Andrea SPEAR

Executed by Inventor 6

Signature: _____ Date: _____
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IBM DOCKET NUMBER: TUC920100076US1
FIRM NUMBER: 0022.0143

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Signature: _____ Date: _____
John Glenn THOMPSON