

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>LAWRENCE C BLOUNT</td> <td>01/05/2012</td> </tr> <tr> <td>RAHUL FISKE</td> <td>10/19/2011</td> </tr> <tr> <td>CARL E JONES</td> <td>01/05/2012</td> </tr> <tr> <td>SUBHOJIT ROY</td> <td>12/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	LAWRENCE C BLOUNT	01/05/2012	RAHUL FISKE	10/19/2011	CARL E JONES	01/05/2012	SUBHOJIT ROY	12/14/2011
Name	Execution Date										
LAWRENCE C BLOUNT	01/05/2012										
RAHUL FISKE	10/19/2011										
CARL E JONES	01/05/2012										
SUBHOJIT ROY	12/14/2011										
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>13348395</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13348395						
Property Type	Number										
Application Number:	13348395										
CORRESPONDENCE DATA											
Fax Number:	(520)760-6651										
Phone:	5207606629										
Email:	jholcombe@cox.net										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	IBM CORPORATION										
Address Line 1:	9000 S. RITA ROAD										
Address Line 2:	IPLAW (90A/9032)										
Address Line 4:	TUCSON, ARIZONA 85744										
ATTORNEY DOCKET NUMBER:	TUC920110157US1										
NAME OF SUBMITTER:	JOHN H HOLCOMBE										

CH \$40.00 13348395

Total Attachments: 12

source=TUC920110157US1_FileAssign#page1.tif
source=TUC920110157US1_FileAssign#page2.tif
source=TUC920110157US1_FileAssign#page3.tif
source=TUC920110157US1_FileAssign#page4.tif
source=TUC920110157US1_FileAssign#page5.tif
source=TUC920110157US1_FileAssign#page6.tif
source=TUC920110157US1_FileAssign#page7.tif
source=TUC920110157US1_FileAssign#page8.tif
source=TUC920110157US1_FileAssign#page9.tif
source=TUC920110157US1_FileAssign#page10.tif
source=TUC920110157US1_FileAssign#page11.tif
source=TUC920110157US1_FileAssign#page12.tif

US Department of Commerce
 Patent & Trademark Office

RECORDATION FORM COVER SHEET
 PATENTS ONLY


To the Honorable Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): *
 *
 * LAWRENCE C. BLOUNT *
 * RAHUL FISKE *
 * CARL E. JONES *
 * SUBHOJIT ROY *
 *
 * Additional name(s) of conveying party(ies) attached ___ Yes **XX** No *
 *
 2. Name and address of receiving party(ies): *
 * Name: International Business *
 * Machines Corporation *
 *
 * Street Address: New Orchard Road *
 * City: Armonk State: NY ZIP: 10504 *
 *
 * Additional name(s) & address(es) attached? *
 * ___ Yes **XX** No *

3. Nature of conveyance: *
 *
 * **XX** Assignment Execution Date: 01/05/2012; 10/19/2011; 01/05/2012; 12/14/2011 *
 *
 *

4. Application number(s) or patent number(s): *
 *
 * If this document is being filed together with a new application, the execution date of the application is: _____ *
 *
 * A. Patent Application No.(s) * B. Patent No.(s) *
 * 13/348,395 * *
 * *
 * Additional numbers attached? ___ Yes **XX** No *
 *
 *

5. Name and address of party to whom correspondence concerning document should be mailed: *
 *
 * Name: Robert M. Sullivan *
 * Address: IBM Corporation *
 * Intellectual Property Law *
 * 9000 S. Rita Road(90A/9032) *
 * Tucson, Arizona 85744 *
 * *
 *
 6. Total Number of applications and patents involved: One *
 *
 *
 7. Total fee (37 CFR 3.41)..... \$ 40.00 *
 * Enclosed *
 * **XX** Authorized to be charged to *
 * deposit account *
 * (Duplicate Copy Attached) *
 *
 *
 8. Deposit Account Number: 09-0449 *
 *
 *

9. Statement and signature. *
 * To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. *
 *
 *  *
 * John H. Holcombe *
 *
 * Jan. 11, 2012 *
 * Date *
 *

Total number of pages including cover sheet, attachments, and document: /-12-/

RECORDATION FORM COVER SHEET
PATENTS ONLY

US Department of Commerce
Patent & Trademark Office

To the Honorable Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):	*	2. Name and address of receiving party(ies):
LAWRENCE C. BLOUNT	*	Name: International Business
RAHUL FISKE	*	Machines Corporation
CARL E. JONES	*	
SUBHOJIT ROY	*	

Street Address: New Orchard Road
City: Armonk State: NY ZIP: 10504

Additional name(s) of conveying party(ies) attached <u>Yes</u> XX No	*	Additional name(s) & address(es) attached? <u>Yes</u> XX No
---	---	--

3. Nature of conveyance:

XX Assignment Execution Date: 01/05/2012; 10/19/2011; 01/05/2012; 12/14/2011

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)	*	B. Patent No.(s)
<u>13/348,395</u>	*	
Additional numbers attached?	*	<u>Yes</u> XX No

5. Name and address of party to whom correspondence concerning document should be mailed:	*	6. Total Number of applications and patents involved: <u>One</u>
---	---	--

Name: Robert M. Sullivan	*	7. Total fee (37 CFR 3.41)..... \$ <u>40.00</u>
Address: IBM Corporation	*	<u>Enclosed</u>
Intellectual Property Law	*	XX Authorized to be charged to
9000 S. Rita Road(90A/9032)	*	deposit account
Tucson, Arizona 85744	*	(Duplicate Copy Attached)

8. Deposit Account Number:	*	<u>09-0449</u>
----------------------------	---	----------------

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

	<u>Jan. 11, 2012</u>
John H. Holcombe	Date

Total number of pages including cover sheet, attachments, and document: /-12-/

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: **DATA STORAGE BACKUP WITH LESSENERD CACHE POLLUTION**

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:

Serial Number: 13/348,395 (insert series code and 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.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Pages Follow]

Executed by Inventor 1 of 4

Signature:  Date: JAN 5, 2012
LAWRENCE C. BLOUNT

Executed by Inventor 2 of 4

Signature: _____ Date: _____
RAHUL FISKE

Executed by Inventor 3 of 4

Signature: 
CARL K. JONES

Date: 5 Jan 2012

Executed by Inventor 4 of 4

Signature: _____ Date: _____
 SUBHOJIT ROY

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: **DATA STORAGE BACKUP WITH LESSENEO CACHE POLLUTION**

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:

Serial Number: 13/348,395 (insert series code and 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.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Pages Follow]

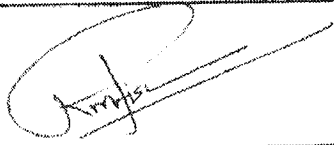
IBM DOCKET NUMBER: TUC920110157US1

Executed by Inventor 1 of 4

Signature: _____ Date: _____
LAWRENCE C. BLOUNT

Executed by Inventor 2 of 4

Signature: _____



Date: 10/14/2011

RAHUL FISKE

IBM DOCKET NUMBER: TUC920110157US1

Executed by Inventor 3 of 4

Signature: _____ Date: _____
CARL E. JONES

Page 4 of 5

PATENT
REEL: 027518 FRAME: 0265

Executed by Inventor 4 of 4

Signature: Subhojit Roy Date: 14th December, 2011
SUBHOJIT ROY