

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | | | | | | | | | | |
|---|--|---------------|---|---------------------|------------------|------------------|------------|----------------|----------|--------------|-------|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the Assignor: Moertl, Daniel F. inadvertently omitted previously recorded on Reel 027744 Frame 0750. Assignor(s) hereby confirms the Assignor: Moertl, Daniel F. inadvertently omitted. | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert E. Galbraith</td> <td>02/16/2012</td> </tr> <tr> <td>Daniel F. Moertl</td> <td>02/16/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Robert E. Galbraith | 02/16/2012 | Daniel F. Moertl | 02/16/2012 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Robert E. Galbraith | 02/16/2012 | | | | | | | | | | |
| Daniel F. Moertl | 02/16/2012 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>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 |
| 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>13402465</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13402465 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13402465 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (507)253-2382 | | | | | | | | | | |
| Phone: | 507-253-2761 | | | | | | | | | | |
| Email: | sberge@us.ibm.com | | | | | | | | | | |
| <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: | Robert R. Williams | | | | | | | | | | |
| Address Line 1: | 3605 Highway 52 North | | | | | | | | | | |
| Address Line 4: | Rochester, MINNESOTA 55901 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | ROC920110140US1 | | | | | | | | | | |
| NAME OF SUBMITTER: | Robert R. Williams | | | | | | | | | | |
| Total Attachments: 8 source=ROC920110140US1_AssignmentPkg_02-24-12#page1.tif | | | | | | | | | | | |

CH \$40.00 13402465

source=ROC920110140US1_AssignmentPkg_02-24-12#page2.tif
source=ROC920110140US1_AssignmentPkg_02-24-12#page3.tif
source=ROC920110140US1_AssignmentPkg_02-24-12#page4.tif
source=ROC920110140US1_AssignmentPkg_02-24-12#page5.tif
source=ROC920110140US1_AssignmentPkg_02-24-12#page6.tif
source=ROC920110140US1_AssignmentPkg_02-24-12#page7.tif
source=ROC920110140US1_AssignmentPkg_02-24-12#page8.tif



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 23, 2012

PTAS

ROBERT R. WILLIAMS
3605 HIGHWAY 52 NORTH
ROCHESTER, MN 55901

501828852

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 02/22/2012

REEL/FRAME: 027744/0750
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: ROC920110140US1

ASSIGNOR:

GALBRAITH, ROBERT E.

DOC DATE: 02/16/2012

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES
CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

APPLICATION NUMBER: 13402465

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: WRITING NEW DATA OF A FIRST BLOCK SIZE TO A SECOND BLOCK SIZE
USING A WRITE-WRITE MODE

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

| |
|--------------------------|
| PATENT ASSIGNMENT |
|--------------------------|

Electronic Version v1.1

Stylesheet Version v1.1

| | |
|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Robert E. Galbraith | 02/16/2012 |
| 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: | 13402465 |
| CORRESPONDENCE DATA | |
| Fax Number: | (507)253-2382 |
| Phone: | 507-253-2761 |
| Email: | sberge@us.ibm.com |
| <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: | Robert R. Williams |
| Address Line 1: | 3605 Highway 52 North |
| Address Line 4: | Rochester, MINNESOTA 55901 |
| ATTORNEY DOCKET NUMBER: | ROC920110140US1 |
| NAME OF SUBMITTER: | Robert R. Williams |
| Signature: | /Robert R. Williams/ |
| Date: | 02/22/2012 |

Total Attachments: 2

source=ROC920110140US1_SignedAssignment#page1.tif

source=ROC920110140US1_SignedAssignment#page2.tif

RECEIPT INFORMATION

EPAS ID: PAT1862438

Receipt Date: 02/22/2012

Fee Amount: \$40



Assignment confirmation receipt ID: PAT1862438

EPAS Server to: Sue Berge

Default custom expiration date: 02/21/2013

02/22/2012 03:44 PM

ELECTRONIC PATENT ASSIGNMENT SYSTEM (EPAS) CONFIRMATION RECEIPT

The USPTO has received a Patent Assignment submitted through the Electronic Patent Assignment System (EPAS). This is the only acknowledgement of receipt that will be transmitted for this EPAS submission. The submission may not be recalled.

After review by Assignment Services Division personnel a Notice of Recordation/Non-Recordation will be returned via fax. USPTO will attempt to fax to the number provided in the submission; fax failures will be delivered via US Postal Service to the Correspondence Address provided in the submission.

If a communication from the Assignment Services Division has not been received within 60 days of your confirmation receipt contact the Assignment Services Division Customer Service Desk at 571-272-3350 or send an e-mail to epas@uspto.gov.

If you have a technical question, comment or concern about your EPAS submission call 571-272-3350 during business hours or e-mail to epas@uspto.gov. Please have your EPAS receipt ID which is 'EASPAT1862438' available when calling or writing for assistance.

A printable version of the Confirmation Receipt is attached to this e-mail.

Electronic Assignment Server at <http://epas.uspto.gov>



EASPAT1862438.html

**United States Patent and Trademark Office**

Home | Site Index | Search | Guides | Contacts | eBusiness | eBiz alerts | News | Help

**Electronic Patent Assignment System****Confirmation Receipt**

<RXUDWLJQP HQMKDMEHHQIUHFHYHGE\ INK18 6 3 7 2 1
7KHIFRYHUKH HMA INK18DWLJQP HQMMGLVSD, HGIEH0Z I

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| | |
|----------------------------------|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Robert E. Galbraith | 02/16/2012 |
| 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: | 13402465 |
| CORRESPONDENCE DATA | |

Fax Number: (507)253-2382
Phone: 507-253-2761
Email: sberge@us.ibm.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name: Robert R. Williams
Address Line 1: 3605 Highway 52 North
Address Line 4: Rochester, MINNESOTA 55901

| | |
|---|----------------------|
| ATTORNEY DOCKET NUMBER: | ROC920110140US1 |
| NAME OF SUBMITTER: | Robert R. Williams |
| Signature: | /Robert R. Williams/ |
| Date: | 02/22/2012 |
| Total Attachments: 2 source=ROC920110140US1_SignedAssignment#page1.tif source=ROC920110140US1_SignedAssignment#page2.tif | |
| RECEIPT INFORMATION EPAS ID: PAT1862438 Receipt Date: 02/22/2012 Fee Amount: \$40 | |

[Return to home page](#)
[Start another assignment from the same template](#)

| [.HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

ASSIGNMENT

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

WRITING NEW DATA OF A FIRST BLOCK SIZE TO A SECOND BLOCK SIZE USING A WRITE-WRITE MODE

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: _____

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at New Orchard Road, Armonk, New York 10504 (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 therefore 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.

Executed by Inventor 1 of 2

Signature: *Robert E. Galbraith* Date: 2-16-2012
Robert E. Galbraith

Executed by Inventor 2 of 2

Signature: *Daniel F. Moertl* Date: 2-16-2012
Daniel F. Moertl