

In Place of Form PTO-1595

IBM Docket No.: RPS920040158US1(4090)

RECORDATION FORM COVER SHEET PATENTS

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

| | |
|---|--|
| 1. Name of conveying party(ies): (1) James Norris Dieffenderfer (2) Praveen G. Karandikar (3) Michael Bryan Mitchell (4) Thomas Philip Speier (5) Paul Michael Steinmetz Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No | Execution Date: <u>03-14-2005</u> <u>02-28-2005</u> <u>02-28-2005</u> <u>03-14-2005</u> <u>03-01-2005</u> |
| 2. Name and address of receiving party(ies): International Business Machines Corporation New Orchard Road Armonk, New York 10504 | 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other |

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:

(1) _____ (2) _____ (3) _____ (4) _____

A. Patent Application No.(s) 11/083,615 B. Patent No.(s) _____

5. Name and address of party to whom correspondence concerning document should be mailed:

Customer No.: 45670
 IBM Corporation (RTP)
 c/o Schubert Osterrieder Nickelson PLLC
 6013 Cannon Mountain Drive, S14
 Austin, Texas 78749

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

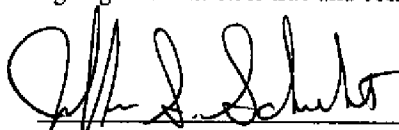
50-0563

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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.

Jeffrey S. Schubert, Reg. No. 43,098
 Name of Person Signing


 Signature

May 17, 2005
 Date

Total Number of Pages including Cover Sheet: 5

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PATENT
 REEL: 016248 FRAME: 0961

CH \$40.00 500563 11083615

IBM DOCKET NO.: RPS920040158US1(4090)

ASSIGNMENT

Whereas, WE,

- (1) James Norris Dieffenderfer of Apex
County of Wake and State of North Carolina
- (2) Praveen G. Karandikar of Cary
County of Wake and State of North Carolina
- (3) Michael Bryan Mitchell of Fuquay-Varina
County of Wake and State of North Carolina
- (4) Thomas Philip Speier of Holly Springs
County of Wake and State of North Carolina
- (5) Paul Michael Steinmetz of Morrisville
County of Wake and State of North Carolina

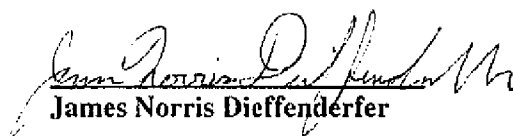
have invented certain improvements SYSTEMS AND ARRANGEMENTS FOR PROMOTING A LINE FROM SHARED TO EXCLUSIVE IN A CACHE and executed a United States patent application therefore on (Date Inventor Signed Declaration)

(1) _____, 20____; (2) _____, 20____;
(3) _____, 20____; (4) _____, 20____;
and (5) _____, 20____.

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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the *assignment of and transfer of ownership for* United States and foreign applications when called upon to do so by IBM.

(1) Signed at CARY, NC on 3/14, 2005


James Norris Dieffenderfer

PATENT
REEL: 016248 FRAME: 0962

IBM DOCKET NO.: RPS920040158US1(4090)

(2) Signed at _____ on _____, 20__.

Praveen G. Karandikar

(3) Signed at _____ on _____, 20__.

Michael Bryan Mitchell

(4) Signed at Cary, NC on 3/14, 2005.


Thomas Philip Speier

(5) Signed at _____ on _____, 20__.

Paul Michael Steinmetz

IBM DOCKET NO.: RPS92004015RUS1(4090)

ASSIGNMENT

Whereas, WE,

- (1) **James Norris Dieffenderfer** of Apex
County of Wake and State of North Carolina
- (2) **Praveen G. Karandikar** of Cary
County of Wake and State of North Carolina
- (3) **Michael Bryan Mitchell** of Fuquay-Varina
County of Wake and State of North Carolina
- (4) **Thomas Philip Speier** of Holly Springs
County of Wake and State of North Carolina
- (5) **Paul Michael Steinmetz** of Morrisville
County of Wake and State of North Carolina

have invented certain improvements **SYSTEMS AND ARRANGEMENTS FOR PROMOTING A LINE FROM SHARED TO EXCLUSIVE IN A CACHE** and executed a United States patent application therefore on (Date Inventor Signed Declaration)

(1) _____, 20____; (2) Praveen G. Karandikar 02/28/2005;
(3) Michael Bryan Mitchell 02/28/2005; (4) _____, 20____;
and (5) Paul Michael Steinmetz 3/01/2005.

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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at _____ on _____, 20____.

James Norris Dieffenderfer

PATENT
REEL: 016248 FRAME: 0964

IBM DOCKET NO.: RPS920040158US1(4090)

(2) Signed at IBM, RTP, NC on FEBRUARY 28th, 2005



Praveen G. Karandikar

(3) Signed at IBM, RTP, NC on February 28, 2005




Michael Bryan Mitchell

(4) Signed at _____ on _____, 20____

Thomas Philip Speier

(5) Signed at IBM, RTP, NC on March 1, 2005



Paul Michael Steinmetz