

FORM PTO-1595
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No. ROC920040099US1

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

<p>1. Name of conveying party(ies): Duane Arlyn Averill John Michael Borkenhagen Philip Rogers Hillier III</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <hr/> <p>3. Nature of Conveyance</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: October 05, 2004 October 05, 2004 October 05, 2004</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>International Business Machines Corporation</u></p> <p>Internal Address: _____</p> <hr/> <p>Street Address: <u>New Orchard Road</u> City <u>Armonk</u> State <u>New York</u> Zip <u>10504</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
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4. Application number(s) or patent number(s):
TITLE: METHOD AND APPARATUS TO PURGE REMOTE NODE CACHE LINES TO SUPPORT HOT NODE REPLACE IN A COMPUTING SYSTEM
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).

Docket No. ROC920040099US1
Serial No. 10/961,746

Additional numbers attached? Yes No

<p>Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Robert R. Williams IBM Corporation - Dept. 917 3605 Highway 52 North Rochester, MN 55901-7829</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: <u>09-0465</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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.

Robert R. Williams #48,395
Name of Person Signing Robert R. Williams Oct 28, 04
Signature Date

Total number of pages comprising cover sheet: 3

CH \$40.00 090465 10961746

ASSIGNMENT

Whereas, we

- (1) Duane Arlyn Averill, City of Rochester,
County of Olmsted, and State of Minnesota,
- and (2) John Michael Borkenhagen, City of Rochester,
County of Olmsted, and State of Minnesota,
- and (3) Philip Rogers Hillier III, City of Rochester,
County of Olmsted, and State of Minnesota,

have invented certain improvements in

METHOD AND APPARATUS TO PURGE REMOTE NODE CACHE LINES TO SUPPORT HOT NODE REPLACE IN A COMPUTING SYSTEM

and have executed, respectively, a United States patent application therefor on

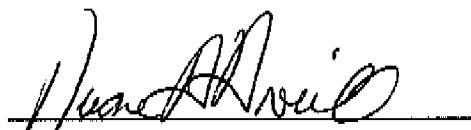
Dates
 Inventors (1) *October 05*, 2004, (2) *October 05*, 2004, and (3) *October 05*, 2004.
 Signed
 Declaration

And 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 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 invention 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.

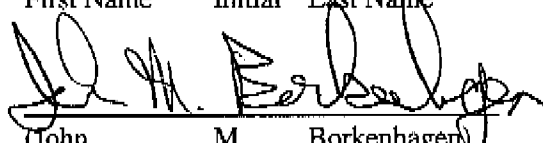
Signed

Inventor (1) at Rochester, Minnesota
 on 10/5, 2004,


 (Duane A. Averill)
 First Name Initial Last Name

Inventor Signature

Inventor (2) at Rochester, Minnesota
 on 10/5, 2004,


 (John M. Borkenhagen)
 First Name Initial Last Name

Inventor Signature

Inventor
(3)

at Rochester, Minnesota

on 10-5-, 2004.

<u>Philip</u>	<u>R.</u>	<u>Hillier III</u>
(Philip	R.	Hillier III)
First Name	Initial	Last Name

Inventor
Signature