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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7506837

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|------------------------------|--|
| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the THIRD ASSIGNOR, GANASAN'S SURNAME AND SIXTH ASSIGNOR, SPEIER'S MIDDLE NAME previously recorded on Reel 013368 Frame 0842. Assignor(s) hereby confirms the ASSIGNMENT. |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------------|----------------|
| JAMES NORRIS DIEFFENDERFER | 09/27/2002 |
| BERNARD CHARLES DRERUP | 10/01/2002 |
| JAYA PRAKASH SUBRAMANIAM GANASAN | 09/27/2002 |
| RICHARD GERARD HOFMANN | 09/27/2002 |
| THOMAS ANDREW SARTORIUS | 09/27/2002 |
| THOMAS PHILIP SPEIER | 09/27/2002 |
| BARRY JOE WOLFORD | 10/01/2002 |

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 |
|----------------|---------|
| Patent Number: | 6985972 |

CORRESPONDENCE DATA

Fax Number: (607)429-4119
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6074293479
Email: lddrev@us.ibm.com
Correspondent Name: IBM CORPORATION INTELLECTUAL PROPERTY LAW
Address Line 1: 11501 BURNET ROAD
Address Line 2: B/256-3
Address Line 4: AUSTIN, TEXAS 78758

| | |
|--------------------------------|--------------------|
| ATTORNEY DOCKET NUMBER: | AUS920020513US1 |
| NAME OF SUBMITTER: | AMIRAH SCARBOROUGH |

PATENT

| | |
|---|----------------------|
| SIGNATURE: | /Amirah Scarborough/ |
| DATE SIGNED: | 08/26/2022 |
| Total Attachments: 10 source=AUS920020513US1_Assignment#page1.tif source=AUS920020513US1_Assignment#page2.tif source=AUS920020513US1_Assignment#page3.tif source=AUS920020513US1_Assignment#page4.tif source=AUS920020513US1_Assignment#page5.tif source=AUS920020513US1_Assignment#page6.tif source=AUS920020513US1_Assignment#page7.tif source=AUS920020513US1_Assignment#page8.tif source=AUS920020513US1_Assignment#page9.tif source=AUS920020513US1_Assignment#page10.tif | |

10-15-2002

EU720518632US



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CORDATION FORM COVER SHEET PATENTS ONLY

Attorney Docket No. AUS920020513US1

To The Honorable Commissioner of Patents and trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Execution date:

James Norris Dieffenderfer September 27, 2002
 Bernard Charles Drerup October 1, 2002
 Jaya Prakash Subramaniam Ganasan September 27, 2002
 Richard Gerard Hofmann September 27, 2002
 Thomas Andrew Sartorius September 27, 2002
 Thomas Phillip Speier September 27, 2002
 Barry Joe Wolford October 1, 2002

MRD 10/3/02

RECEIVED U.S. PTO
 10/26/02
 10/03/02

2. Name and address of receiving party(ies): 3. Nature of conveyance:

International Business Machines Corporation
 New Orchard Road
 Armonk, New York 10504

Assignment Merger
 Security Agreement Change of Name
 Other

4. Application number(s) or patent number(s): Execution/Filing/Issue Date

New Patent Application, execution date of application
 Patent Application Number: 10264163
 Patent Number: _____

Execution Date: 9-27-02, 10-1-02, 9-27-02, 9-27-02, 9-27-02, 10-1-02
 Filing Date _____
 Issue Date _____

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

Robert M. Carwell, Esq.
 IBM Corporation
 Intellectual Property Law
 Zip 4054
 11400 Burnet Road
 Austin, Texas 78758

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
 Authorized to charge any deficiency to deposit account

8. Deposit account number:
09-0447
 (Attach duplicate copy of this page if paying by deposit account)

10/11/2002 DATE
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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 M Carwell [Signature] 10/02/02
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 10

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

PATENT
 REEL: 061327 FRAME: 0988

IBM DOCKET NO. AUS920020513US1**ASSIGNMENT**

Whereas, We,

- (1) James Norris Dieffenderfer of Apex, Wake County, North Carolina;
- (2) Bernard Charles Drerup of Austin, Travis County, Texas;
- (3) Jaya Prakash Subramaniam Ganasan of Youngsville, Franklin County, North Carolina;
- (4) Richard Gerard Hofmann of Apex, Wake County, North Carolina;
- (5) Thomas Andrew Sartorius of Raleigh, Wake County, North Carolina;
- (6) Thomas ^{Philip TP}~~Phillip~~ Speier of Holly Springs, Wake County, North Carolina; and
- (7) Barry Joe Wolford of Austin, Travis County, Texas.

have invented certain improvements in

DYNAMIC CACHE COHERENCY SNOOPER PRESENCE
WITH VARIABLE SNOOP LATENCY

and executed, respectively, a United States patent application therefor on (Date Inventor Signed Declaration) (1) SEPT 27, 2002; (2) _____, 2002; (3) Sept 27, 2002; (4) _____, 2002; (5) Sept. 27, 2002; (6) Sept 27, 2002; and (7) _____, 2002.

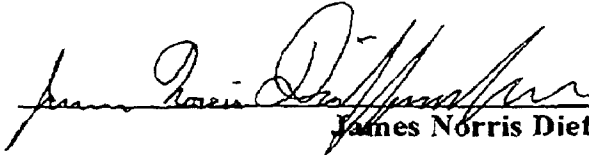
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents 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

IBM DOCKET NO. AUS920020513US1

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.

(1) Signed at RTP, NC on SEPT 27, 2002.


James Norris Dieffenderfer

(2) Signed at _____ on _____, 2002.

Bernard Charles Drerup

(3) Signed at RTP, NC on Sept 27, 2002.

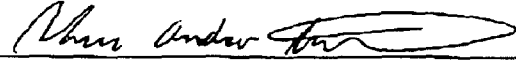

Jaya Prakash Subramaniam Ganasan

(4) Signed at _____ on _____, 2002.

Richard Gerard Hofmann

(5) Signed at RTP, NC on Sept 27, 2002.

IBM DOCKET NO. AUS920020513US1



Thomas Andrew Sartorius

(6) Signed at RTP, NC on 9/27, 2002.



Thomas Phillip Speier
Phillip TPI

(7) Signed at _____ on _____, 2002.

Barry Joe Wolford

IBM DOCKET NO. AUS920020513US1**ASSIGNMENT**

Whereas, We,

- (1) James Norris Dieffenderfer of Apex, Wake County, North Carolina;
- (2) Bernard Charles Drerup of Austin, Travis County, Texas;
- (3) Jaya Prakash Subramaniam Ganasan of Youngsville, Franklin County, North Carolina;
- (4) Richard Gerard Hofmann of Apex, Wake County, North Carolina;
- (5) Thomas Andrew Sartorius of Raleigh, Wake County, North Carolina;
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WITH VARIABLE SNOOP LATENCY

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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

IBM DOCKET NO. AUS920020513USA

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.

(1) Signed at _____ on _____, 2002.

James Norris Dieffenderfer

(2) Signed at _____ on _____, 2002.

Bernard Charles Drerup

(3) Signed at _____ on _____, 2002.

Jaya Prakash Subramaniam Ganasan

(4) Signed at Rochester, N.Y. on 9/27, 2002.

Richard Gerard Hofmann
Richard Gerard Hofmann

(5) Signed at _____ on _____, 2002.

IBM DOCKET NO. AUS920020513US1

Thomas Andrew Sartorius

(6) Signed at _____ on _____, 2002.

Thomas Phillip Speier

(7) Signed at _____ on _____, 2002.

Barry Joe Wolford

ASSIGNMENT

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WITH VARIABLE SNOOP LATENCY

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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;

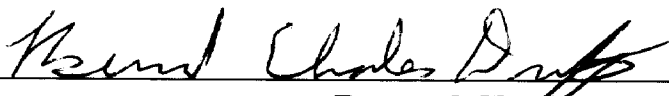
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foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors 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.

(1) Signed at _____ on _____, 2002.

James Norris Dieffenderfer

(2) Signed at Austin on 10/1, 2002.



Bernard Charles Drerup

(3) Signed at _____ on _____, 2002.

Jaya Prakash Subramaniam Ganasan

(4) Signed at _____ on _____, 2002.

Richard Gerard Hofmann

(5) Signed at _____ on _____, 2002.

Thomas Andrew Sartorius

(6) Signed at _____ on _____, 2002.

Thomas Phillip Speier

(7) Signed at Austin on 10/1, 2002.

Barry Joe Wolford
Barry Joe Wolford