

10-15-2002

EU720518632US



102249686

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

REC'D 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	<input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name

4. Application number(s) or patent number(s):	Execution/Filing/Issue Date
<input checked="" type="checkbox"/> New Patent Application, execution date of application	9-27-02, 10-1-02, 9-27-02
<input type="checkbox"/> Patent Application Number: 10264163	9-27-02, 9-27-02, 9-27-02
<input type="checkbox"/> Patent Number:	Execution Date 10-1-02
	Filing Date
	Issue Date

5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Robert M. Carwell, Esq. IBM Corporation Intellectual Property Law Zip 4054 11400 Burnet Road Austin, Texas 78758	7. Total fee (37 CFR 3.41)..... \$40.00
	<input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> 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 DRYRUNE 00000130 090447 10264163  
01 FC:581 40.00 CH

DO NOT USE THIS SPACE

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 *Robert M Carwell* 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: 013368 FRAME: 0842

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 <sup>Philip TP</sup>~~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.

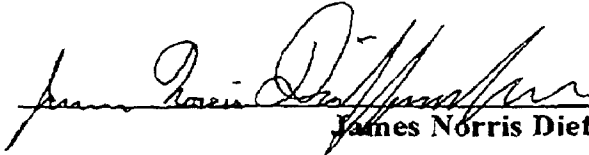
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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

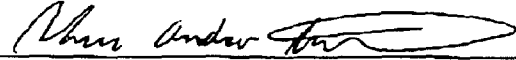
  
Jaya Prakash Subramaniam Ganasan

(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;
- (6) Thomas 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) \_\_\_\_\_, 2002; (2) \_\_\_\_\_, 2002; (3) \_\_\_\_\_, 2002; (4) 9/27, 2002; (5) \_\_\_\_\_, 2002; (6) \_\_\_\_\_, 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

Page 1 of 3

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**

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 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) \_\_\_\_\_, 2002; (2) 10/1 \_\_\_\_\_, 2002; (3) \_\_\_\_\_, 2002; (4) \_\_\_\_\_, 2002; (5) \_\_\_\_\_, 2002; (6) \_\_\_\_\_, 2002; and (7) 10/1 \_\_\_\_\_, 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

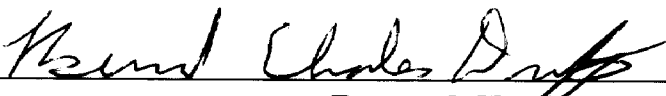


foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may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