

EU720518354US

12-18-2002



102315495

Substitute Form PTO -1595

Attorney Docket No.  
AUS920020153US1

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:
Ravi Kumar Arimilli	<u>11-20</u> , 2002
Benjiman Lee Goodman	<u>11-20</u> , 2002
Jody Bern Joyner	<u>11-20</u> , 2002

*12/05/02*

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

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

3. Nature of conveyance:

Assignment                       Merger  
 Security Agreement             Change of Name  
 Other

4. Application number(s) or patent number(s):	Execution/Filing/Issue Date
<input checked="" type="checkbox"/> New Patent Application, execution date of application	<u>11-20-02</u>
<input type="checkbox"/> Patent Application Number: _____	Execution Date
<input type="checkbox"/> Patent Number: _____	Filing Date
	Issue Date

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

Casimer K. Salys, 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  
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8. Deposit account number:

09-0447  
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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.*

Casimer K Salys                      Casimer K Salys                      11/26/02  
Name of Person Signing                      Signature                      Date

Total number of pages including cover sheet, attachments, and documents: 3

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

**PATENT**  
**REEL: 013574 FRAME: 0601**

11017 U.S. PTO  
10/313288  
12/05/02

**ASSIGNMENT**

Whereas, We,

- (1) **Ravi Kumar Arimilli of Austin, Williamson County, Texas;**
- (2) **Benjiman Lee Goodman of Cedar Park, Williamson County, Texas; and**
- (3) **Jody Bern Joyner of Austin, Williamson County, Texas**

have invented certain improvements in

**HIGH SPEED MEMORY CLONER WITH EXTENDED CACHE COHERENCY  
PROTOCOLS AND RESPONSES**

and executed, respectively, a United States patent application therefor on (Date Inventor Signed Declaration) (1) 11/20, 2002; (2) 11/20, 2002; and (3) 11/20, 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 Austin, TX on 11/20, 2002.

Ravi Kumar Arimilli

**Ravi Kumar Arimilli**

(2) Signed at Austin, TX on 11/20, 2002.

Benjiman Lee Goodman

**Benjiman Lee Goodman**

(3) Signed at Austin, TX on 11/20, 2002.

Jody B. Joyner

**Jody Bern Joyner**