In place of Form PTO-1595
RECORDATION FORM COVER SHEET

Docket No. AUS920040284US1

PATENTS

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

1. **Name of conveying party(ies):**	2. **Name and address of receiving party:**
Ramakrishnan Rajamony Xiaowei Shen Balaram Sinharoy	International Business Machines Corporation New Orchard Road Armonk, New York 10504

3. **Nature of conveyance:**

X_ Assignment

Execution Date: _Sept 30_ , 2004, Oct 2, 2004, Sept. 3, 2004

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 _____, 2004

A. Patent Application No.(s)

10 960611

B. Patent No.(s)

5. **Name and address of party to whom correspondence concerning document should be mailed:**	6. **Total number of applications and patents involved:** 1
Casimer K. Salys IBM Corporation Intellectual Property Law 11400 Burnet Road Austin, TX 78758 (512) 823-0092	7. **Total fee (37 CFR 3.41)** $ 40.00 X Authorized to be charged to Deposit Account 8. **Deposit account number:** 09-0447

CH $40.00 090447 10960611

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.

Casimer K. Salys	_signature_	10/7/04
Name of Person Signing	Signature	Date

Total number of pages including cover sheet: 7

ASSIGNMENT

Whereas, we,

(1) Ramakrishnan Rajamony of Austin, County of Travis, and State of Texas

(2) Xiaowei Shen of Yorktown Heights, County of Westchester, and State of New York

(3) Balaram Sinharoy of Poughkeepsie, County of Dutchess, and State of New York

have invented certain improvements in

DATA REPLICATION IN MULTIPROCESSOR NUCA SYSTEMS
TO REDUCE HORIZONTAL CACHE THRASHING

and executed a United States patent application therefore on
(1) *September 30th* ,2004; (2) _____, 2004; and (3) _____, 2004.

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

IBM DOCKET NO. AUS920040284US1

(1) Signed at Austin, Texas, on *September 30th*, 2004.

Ramakrishnan Rajamony

(2) Signed at _____, on _____, 2004.

Xiaowei Shen

(3) Signed at _____, on _____, 2004.

Balaram Sinharoy

2

IBM DOCKET NO. AUS920040284US1

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New York   *HOPEWELL JUNCTION*   *Dutchess*   *SC* *2004-10-2*

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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
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_____
Ramakrishnan Rajamony

(2) Signed at YORKTOWN HEIGHTS, NY , on Oct. 2 , 2004.

_____
Xiaowei Shen

(3) Signed at _____, on _____, 2004.

_____
Balaram Sinharoy

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              NY

Balaram Sinharoy
_____
Balaram Sinharoy

2