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Docket No. AUS920030593US1

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PATENTS

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b> (1) Michael Norman Day (2) Charles Ray Johns (3) Peichun Peter Liu (4) Thuong Truong Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No	<b>Execution Date:</b> <u>March 19, 2004</u> <u>March 30, 2004</u> <u>March 25, 2004</u> <u>March 5, 2004</u>
<b>2. Name and address of receiving party(ies):</b> International Business Machines Corporation New Orchard Road Armonk, New York 10504	<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____

**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  
(1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_ (4) \_\_\_\_\_

A. Patent Application No.(s) 10/902,474 B. File Date July 29, 2004

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

Robert M Carwell  
IBM Corporation  
Intellectual Property Law  
11400 Burnet Road  
Austin, TX 78758  
(512) 823-1017

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 3.41) \$ 40.00**  
 Enclosed  
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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.

Kathryn L Seeman  
Name of Person Signing

*Kathryn L Seeman*  
Signature

October 11, 2004  
Date

Total number of pages including cover sheet: 3

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IBM DOCKET NO. AUS920030593US1

**ASSIGNMENT**

Whereas, we,

(1) Michael Norman Day of 2201 Mayfield Drive, Round Rock, Texas 78681  
County of Williamson and State of Texas

and  
(2) Charles Ray Johns of 10703 Cassia Drive, Austin, Texas 78759  
County of Travis and State of Texas

and  
(3) Peichun Peter Liu of <sup>9220 Limoncillo Dr. P P 2</sup>~~10812 Low Bridge Lane~~, Austin, Texas 78750  
County of Travis and State of Texas

and  
(4) Thuong Truong of 12612 Picket Rope Lane, Austin, Texas 78727  
County of Travis and State of Texas

have invented certain improvement in

**MEMORY BARRIER PRIMITIVES IN AN ASYMMETRIC HETEROGENEOUS  
MULTIPROCESSOR ENVIRONMENT**


and executed a United States patent application therefore on (1) 3/19, 2004;  
(2) 3/30, 2004; (3) 3/25, 2004; and (4) 3/5, 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;

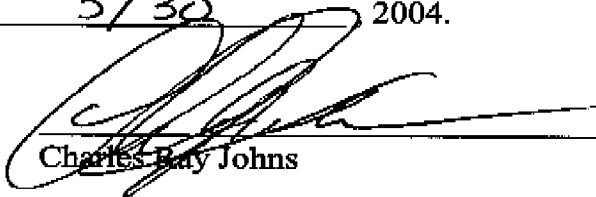
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign 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.

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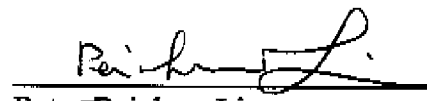
(1) Signed at Austin on 3/19, 2004.

  
Michael Norman Day


(2) Signed at AUSTIN on 3/30, 2004.

  
Charles Ray Johns

(3) Signed at Austin on 3/25, 2004.

  
Peter Peichun Liu  
Peter PPL

(4) Signed at Austin on 3/5, 2004.

  
Tony Thuong Truong