

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT                              |   |                     |                  |                      |            |                |          |              |       |  |
|--|---|---|---------------------|------------------|----------------------|------------|----------------|----------|--------------|-------|--|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                                  |   |                     |                  |                      |            |                |          |              |       |  |
| CONVEYING PARTY DATA   |   |   |                     |                  |                      |            |                |          |              |       |  |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Paul E. McKenney</td><td>03/09/2006</td></tr><tr><td>Suparna Bhattacharya</td><td>03/13/2006</td></tr></tbody></table>  | Name  | Execution Date                              | Paul E. McKenney    | 03/09/2006       | Suparna Bhattacharya | 03/13/2006 |                |          |              |       |  |
| Name   | Execution Date                              |   |                     |                  |                      |            |                |          |              |       |  |
| Paul E. McKenney   | 03/09/2006                                  |   |                     |                  |                      |            |                |          |              |       |  |
| Suparna Bhattacharya   | 03/13/2006                                  |   |                     |                  |                      |            |                |          |              |       |  |
| RECEIVING PARTY DATA   |   |   |                     |                  |                      |            |                |          |              |       |  |
| <table border="1"><tr><td>Name:</td><td>International Business Machines Corporation</td></tr><tr><td>Street Address:</td><td>New Orchard Road</td></tr><tr><td>City:</td><td>Armonk</td></tr><tr><td>State/Country:</td><td>NEW YORK</td></tr><tr><td>Postal Code:</td><td>10504</td></tr></table> | Name:                                       | International Business Machines Corporation | Street Address:     | New Orchard Road | City:                | Armonk     | State/Country: | NEW YORK | Postal Code: | 10504 |  |
| Name:  | International Business Machines Corporation |   |                     |                  |                      |            |                |          |              |       |  |
| Street Address:  | New Orchard Road                            |   |                     |                  |                      |            |                |          |              |       |  |
| City:  | Armonk                                      |   |                     |                  |                      |            |                |          |              |       |  |
| State/Country:   | NEW YORK                                    |   |                     |                  |                      |            |                |          |              |       |  |
| Postal Code:   | 10504                                       |   |                     |                  |                      |            |                |          |              |       |  |
| PROPERTY NUMBERS Total: 1  |   |   |                     |                  |                      |            |                |          |              |       |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11388364</td></tr></tbody></table>   | Property Type                               | Number                                      | Application Number: | 11388364         |                      |            |                |          |              |       |  |
| Property Type  | Number                                      |   |                     |                  |                      |            |                |          |              |       |  |
| Application Number:  | 11388364                                    |   |                     |                  |                      |            |                |          |              |       |  |
| CORRESPONDENCE DATA  |   |   |                     |                  |                      |            |                |          |              |       |  |
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| ATTORNEY DOCKET NUMBER:  | BEA920050049US1                             |   |                     |                  |                      |            |                |          |              |       |  |
| NAME OF SUBMITTER:   | Michael Dryja                               |   |                     |                  |                      |            |                |          |              |       |  |
| Total Attachments: 4<br>source=d2pix4173#page1.tif<br>source=d2pix4173#page2.tif<br>source=d2pix4173#page3.tif   |   |   |                     |                  |                      |            |                |          |              |       |  |

CH 11388364 \$40.00

PATENT

REEL: 017512 FRAME: 0496

500096804



## ASSIGNMENT OF PATENT APPLICATION

Whereas, we,

Paul E. McKenney  
County of Washington,

City of Beaverton,  
and State of Oregon

Suparna Bhattacharya  
Country of India,

each have invented certain improvements in

Read-copy-update (RCU) operations with reduced memory barrier usage

and have executed, respectively, a United States patent application therefor on

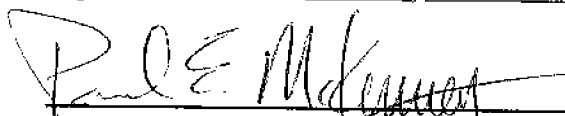
(1) 3/09/06

(2) \_\_\_\_\_

And 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, 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.

Signed at BEAVERTON, OREGON, USA, this 9<sup>th</sup> day of May, 2006.

  
\_\_\_\_\_  
Paul E. McKenney

Signed at \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
Suparna Bhattacharya

Assignment

## ASSIGNMENT OF PATENT APPLICATION

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Paul E. McKenney  
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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.

Signed at \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
Paul E. McKenney

Signed at BANGALORE, INDIA, this 13<sup>th</sup> day of March, 2006.

*Suparna Bhattacharya*  
\_\_\_\_\_  
Suparna Bhattacharya

Assignment