| !∠-!  |  |
|---|--|
| Form <b>PTO-1595 RI</b> (Rev. 10/02)  | U.S. DEPARTMENT OF COMMERCE<br>U.S. Patent and Trademark Office  |
| OMB No. 0651-0027 (exp. 6/30/2005)  | 14079 <b>v</b> v   |
|   | ks: Please record the attached original documents or copy thereof.   |
| 1. Name of conveying party(ies):  | Name and address of receiving party(ies)   |
| Murthy V. Devarakonda   | Name: _International Business Machines   |
| John. T. Robinson   |  |
| 12/10/00  | Internal Address: Corporation  |
| Additional name(s) of conveying party(les) attached? Yes No                                     | 0  |
| 3. Nature of conveyance:  |  |
| Assignment Merger   |  |
| Security Agreement Change of Name   | Street Address:  |
| Other   |  |
|   | City: Armonk State: NY Zip: 10504  |
| 12/10/2002 , 12 / 4 / c2<br>Execution Date:   | Additional name(s) & address(es) attached? Yes V   |
| 4. Application number(s) or patent number(s):   | 3/5/20) (2/10/0  |
| If this document is being filed together with a new age   | plication, the execution date of the application is: 12/09/02  |
| A. Patent Application No.(s)  |  |
|   |  |
| Additional numbers  | ·  |
| 5. Name and address of party to whom correspondenc concerning document should be mailed:        | THE RESERVE THE PROPERTY OF TH |
| Name:   | 7. Total fee (37 CFR 3.41)\$\(\frac{40.00}{}{}\)   |
|   |  |
|   | Enclosed   |
| Internal Address:   | Enclosed   |
|   | Enclosed   |
| Internal Address:   | Enclosed   |
|   | Enclosed  Authorized to be charged to deposit account  8. Deposit account number:  |
| Internal Address:   | Enclosed  Authorized to be charged to deposit account  |
| Internal Address:   | Enclosed  Authorized to be charged to deposit account  8. Deposit account number:  |
| Street Address: 23 Southern Road  City: Hartsdale State: NY Zip: 10530                          | Enclosed  Authorized to be charged to deposit account  8. Deposit account number:  |
| Street Address: 23 Southern Road  City: Hartsdale State: NY Zip: 10530                          | Authorized to be charged to deposit account  8. Deposit account number:  50-0510   |
| Street Address: 23 Southern Road  City: Hartsdale State: NY Zip: 10530  DO NOT U                | Authorized to be charged to deposit account  8. Deposit account number:  50-0510   |
| Street Address: 23 Southern Road  City: Hartsdale State: NY Zip: 10530  DO NOT U  9. Signature. | Authorized to be charged to deposit account  8. Deposit account number:  50-0510  SE THIS SPACE  |
| Street Address: 23 Southern Road  City: Hartsdale State: NY Zip: 10530  DO NOT U                | Authorized to be charged to deposit account  8. Deposit account number:  50-0510  SE THIS SPACE  |

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Page 1 of 2

## Assignment

|   | Whereas, we                                     |  |  |
|---|---|--|--|
| INVENTOR<br>AND CITY                        | (1) Murthy V. Devarako<br>County of Westchester | onda                                     | of Yorktown Heights<br>and State of New York                                     |
| INVENTÓR                                    |   |  |  |
| AND CITY                                    | (2) John T. Robinson<br>County of Westchester   |  | of Yorktown Heights<br>and State of New York                                     |
| INVENTOR                                    |   |  |  |
| AND CITY                                    | (3)<br>County of                                |  | of<br>and State of   |
| INVENTOR                                    |   |  |  |
| AND CITY                                    | (4)<br>County of                                |  | of<br>and State of   |
| IIILE                                       | have invented certain in CONCURRENCY CLA        | provements in<br>SSES FOR SHARED FILE SY | /STEM  |
|   | and executed, respective                        | ely, a United States patent appli        | cation therefor on   |
| DATES THAT INVENTORS SIGNED THE DECLARATION | (1) December 10,<br>(3)                         |  |  |
|   | -   |  | ES CORPORATION, a corporation of   |
| acquire the enti                            |   |  | 4, (hereinafter called IBM), desires to vention, and to any United States and    |
|   |   |  | acknowledged, we, the above named, on tire right, title and interest in the said |

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 inventions set forth in said applications 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.

Signed and scaled

CITY AND

(1) at Hawthorne, NY

on December to, 2002,

1 luviting

(Murthy

makinde sic

SIGNATURE Devarakonda) INVENTOR

FIRST NAME

MIDDLE INITIAL

LAST NAME

Page 2 of 2

| CITY AND                | (2) at Yorktown Heig<br>on December | ihts, NY<br>2002,    |                      |                                 | SIGNATURE  |
|-------------------------|-------------------------------------|----------------------|----------------------|---------------------------------|------------|
| DATE on December ,      | 2002,                               | ( John<br>FIRST NAME | T.<br>MIDDLE INITIAL | Robinson) INVENTOR<br>LAST NAME |            |
| CITY AND (3) at DATE on |                                     | 2002,                |                      |                                 | SKINATURE  |
|                         |                                     | (<br>FIRST NAME      | MIDDLE INTTIAL       | ) INVENTOR<br>LAST NAME         |            |
| CITY AND                | (4) at<br>on                        | 2002,                |                      |                                 | SIGNATURE  |
| DAIE                    | On                                  | 2002,                | (                    |                                 | ) INVENTOR |
|                         |                                     |                      | FIRST NAME           | MIDDLE INITIAL                  | LAST NAME  |

PATENT REEL: 013572 FRAME: 0957 (JOINT FORM)

(IBM Docket) YOR920020288US1

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## Assignment

|  | Whereas, we  | •  |  |  |  |   |
|--|--|--|--|--|--|---|
| INVENTOR   |  |  |  |  |  |   |
| AND CITY   | (1) Murthy V. Devarake<br>County of Westchester  | onda   |  |  | own Heights<br>of New York   |   |
| INVENTOR   |  |  |  |  |  |   |
| AND CITY   | (2) John T. Robinson<br>County of Westchester  |  |  |  | own Heights<br>of New York   |   |
| INVENTOR   |  |  |  |  |  |   |
| AND CITY   | (3)<br>County of   |  |  | of<br>and State  | of   |   |
| INVENTOR   |  |  |  |  |  |   |
| AND CITY   | (4)<br>County of   |  |  | of<br>and State  | of   |   |
| TITLE  | have invented certain in   |  |  | LE SYSTEM  |  |   |
|  | and executed, respective   | elsv a Unit  | ted States natent  | application there  | efor on  |   |
| DATES THAT<br>INVENTORS<br>SIGNED THE  | (1) December , (3)   | 2002,  | and (2) Decer<br>and (4)   | nber <b>7</b> , 2  | 0002,<br>2002.   |   |
| acquire the entir  | Whereas, INTERNATION of place of business re right, title and interest to be obtained therefor;  | at Armon   | k, New York  | 10504, (hereinaf   | ter called IBM), desire  | es to                                     |
| hereby sell, assignable application and resulting from the any Letters Pater and we hereby apapers necessary | for a valuable consideration, and transfer to IBM, invention therein disclose the filing of said United South granted upon the invertigate that IBM may apply in connection with the | its success d for the tates appli- ntions set y for fore | sors and assigns United States ar ication, and we r forth in said app ign Letters Pate | the entire right,<br>and foreign country<br>request the Commo<br>plications to IBM<br>and on said invent | title and interest in the ies, and all rights of principal of Patents to it, its successors and assistion and we will execut | said<br>ority<br>issuc<br>igns;<br>ie all |
| IBM.   | Signed and sealed  |  |  |  |  |   |
|  | CIBING MIG DAMAN   |  |  |  |  |   |
| CITY AND   | (1) at Hawthorne, NY   | 2002,  |  |  | SIGNATUI   | 8 F                                       |
| DATE   | on December ,  | 2002,  | (Murthy<br>FIRST NAME  | V.<br>MIDDLE INITIAI   | Devarakonda) INVENT  |   |

**PATENT** REEL: 013572 FRAME: 0958 (JOINT FORM)

(IBM Docket) YOR920020288US1

Page 2 of 2

) INVENTOR

(2) at Yorktown Heights, NY on December  $\mathcal{I}$ , 2002 CITY AND 2002, DATE Robinson) INVENTOR FIRST NAME MIDDLE INITIAL LAST NAME (3) at CITY AND 2002, SIGNATURE DATE QΠ ) INVENTOR FIRST NAME MIDDLE INTIAL LAST NAME (4) at CITY AND 2002, SIGNATURE DATE on

FIRST NAME

MIDDLE INITIAL

PATENT REEL: 013572 FRAME: 0959