

FORM PTO-1595
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No. ROC920040115US1

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (1) Philip Rogers Hillier III (2) Joseph Allen Kirscht (3) Elizabeth A. McGlone</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <hr/> <p>3. Nature of Conveyance</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: June 09, 2004 June 09, 2004 June 09, 2004</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>International Business Machines Corporation</u></p> <p>Internal Address: _____ _____</p> <p>Street Address: <u>New Orchard Road</u> City <u>Armonk</u> State <u>New York</u> Zip <u>10504</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
<p>4. Application number(s) or patent number(s):</p> <p>TITLE: MEMORY CONTROLLER AND METHOD FOR COPYING MIRRORED MEMORY</p> <p>If this document is being filed together with a new application, the execution date of the application is _____.</p> <p>A. Patent Application No(s). B. Patent No(s).</p> <p style="margin-left: 40px;">ROC920040115US1 Serial No.: 10/865,250</p> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p style="margin-left: 40px;">Robert R. Williams IBM Corporation Intellectual Property Law Dept. 917 3605 Hwy. 52 North Rochester, MN 55901 507-253-2761</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: <u>09-0465 for IBM Corporation</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
<p>DO NOT USE THIS SPACE</p>	
<p>9. Statement and signature</p> <p>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.</p> <p><u>Robert R. Williams #48,395</u> <i>Robert R. Williams</i> <u>June 25, 2004</u> Name of Person Signing Signature Date</p> <p style="text-align: right;">Total number of pages comprising cover sheet: <u>3</u></p>	

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ASSIGNMENT

Whereas, we

- (1) Philip Rogers Hillier III City of Rochester and State of Minnesota
- (2) Joseph Allen Kirscht City of Rochester and State of Minnesota
- (3) Elizabeth A. McGlone City of Rochester and State of Minnesota

have invented certain improvements in:

MEMORY CONTROLLER AND METHOD FOR COPYING MIRRORED MEMORY

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

- (1) June 09 2004 (2) June 09 2004
- (3) June 09 2004

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;

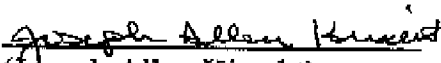
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States application,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

(1) at Rochester, Minnesota
on 6-9- 2004

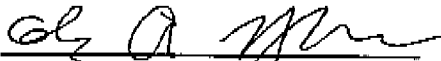
PR Hillier III
(Philip Rogers Hillier III)
First Name Middle Last Name

Signature
Inventor

and (2) at Rochester, Minnesota
on 6/9 2004


(Joseph Allen Kirscht) Signature
Inventor
First Name Middle Last Name

and (3) at Rochester, Minnesota
on 6/9 2004


(Elizabeth A. McGlone) Signature
Inventor
First Name MI Last Name