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06-09-1998

Patent and Trademark Office IBM Docket No.: BU9-97-169 (21323/04012)

HEET

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To the Assistant Commissioner for 100730290	acned original documents or copy thereof.
<ol> <li>Name of conveying party(ies):</li> <li>Timothy J. Dell</li> <li>Bruce G. Hazelzet</li> <li>Mark W. Kellogg</li> <li>Additional names of conveying party(ies) attached?</li> <li>yes ⋈ no</li> </ol>	2. Name and address of receiving party(ies):  Name: International Business Machines Corporation  Internal Address:
3. Nature of Conveyance	A New York corporation  Street Address: Old Orchard Road City Armonk State New York Zip 10504  Additional name(s) & address(es) attached? yes \( \times \) no
98 DHGUYEN 00000070 090456 09081639 40.00 CH Additional numbers atta	. Patent No(s).  ached? □ Yes ⊠ No
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:         <ul> <li>William N. Hogg</li> <li>Calfee, Halter &amp; Griswold LLP</li> <li>1400 McDonald Investment Center</li> <li>800 Superior Avenue</li> <li>Cleveland, Ohio 44114-2688</li> </ul> </li> </ol>	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41):  \$\frac{40}{}\$  Enclosed  Authorized to be charged to deposit account  Total fee due
Certificate of Mailing Under 37 CFR 1.10  I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, as "Express Mail Post Office to Addressee" Mailing Label No. EL046615748US on 5/20/98  Joan Bernick 5/20/98  Name of Person Mailing paper Date	8. Deposit account number:  09-0456  (Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature To the best of my knowledge and helief the foregoing informer	E THIS SPACE
the original document.	E THIS SPACE  ation is true and correct and any attached copy is a true copy of

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## **ASSIGNMENT**

Whereas, I (1) Timothy J. Dell City of Colchester Inventor County of Chittenden and State of Vermont and City and (2) Bruce G. Hazelzet City of Essex Junction County of Chittenden and State of Vermont and Mark W. Kellogg City of Essex Junction County of Chittenden and State of Vermont have invented certain improvements in Self-Initiated Self-Refresh Mode For Memory Modules Title and have executed, respectively, a United States patent application therefor on Date That Inventor (1) May 16, 1998, and (2) May 15 1998, and (3) May 15, 1998. Signed the Declaration

## 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 patent 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 and 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.

BU9-97-169

City	(1) Signed at <u>Esse</u>	J.J., VT	
Date	on May 15, 1998	Timothy J. Dell	Signature )inventor
City	(2) Signed at ESSEY	JCT , VT	
Date		Bruce G. Hazelzet	Signature )inventor
City	(3) Signed at ESSE×	JCT., VT	
Date	on May 15, 1998		
		Mark W. Kellogg	Signature )inventor