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# PATENT ASSIGNMENT

**SUBMISSION TYPE: NEW ASSIGNMENT** 

APPLICATION NUMBER 10/064306

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

**CONVEYING PARTY DATA** 

Name: Brennan, Ciaran J.

Execution Date: 04/09/2002

Name: Fifield, John A. Execution Date: 04/09/2002

Name: Stephens, Jeremy K.

Execution Date: 04/10/2002

Name: Storaska, Daniel W.

**Execution Date:** <u>04/10/2002</u>

RECEIVING PARTY DATA

Name: International Business Machines Corporation

Street Address: New Orchard Road

Internal Address:

City: Armonk

State: NEW YORK

Country:

Postal Code: 10504

The USPTO, Office of Public Records, will send correspondence

via facsimile to FAX NUMBER: 802-769-8938

**CORRESPONDENCE DATA:** 

Correspondence will be sent via US Mail when a fax number

has not been provided or the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

**CUSTOMER NUMBER: 023389** 

800002760

NAME OF PERSON SIGNING: Robert A. Walsh

**DATE SIGNED:** 05/31/2002

PATENT

REEL: 012844 FRAME: 0444

## **Total Attachments: 2**

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PATENT REEL: 012844 FRAME: 0445

### ASSIGNMENT

Whereas, we

### Inventor

(1) Ciaran J. Brennan City of Essex Junction County of Chittenden and State of Vermont (2) John A. Fifield City of Underhill County of Chittenden and State of Vermont (3) Jeremy K. Stephens City of New Windsor County of Orange and State of New York (4) Daniel W. Storaska City of Walden County of Orange and State of New York

have invented certain improvements in

#### Title

### WRITEBACK AND REFRESH CIRCUITRY FOR DIRECT SENSED DRAM MACRO

Dates That Inventors

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

Signed the Declaration

(1) April 9, 2002 (2) april 9, 2002 (3) 04/10, 2002 (4) 04/10, 2002

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a plan 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, we the above named hereby sel assign, and transfer to IRM, 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 Unite States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set for in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on sai invention and we will execute all papers necessary in connection with the United States and foreign applications when called upo to do so by IBM.

(1) Signed at Essex Juntion

April 9, 2002 City Date

signatu ) inventor

**First Name** 

Middle Initial

Last Name

City	(2) Signed a	at, Esses JC7
Date	on op	11, Essex 507 192002

John A. Jifield signatu

First Name Middle Initial Last Name

City (3) Signed at East Fishkill
Date on April 10, 2002

Jeremy K. Stephens ) inventor
First Name Middle Initial Last Name

City (4) Signed at East Fishkill, NY Date on 04/10/02

( Daniel First Name

W. Middle Initial Storaska

signatu ) invento:

Last Name