

03-08-1999

No. FI9-98-020

2/24/99

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To the Honorable Commissioner of Pat.
copy thereof.

rd the attached original documents or

1. Name of Conveying party(ies): **Brian Ji, Toshiaki Kirihata, Dmitry Netis**

3. Nature of Conveyance: **Assignment**

Execution Date:
02/23/99, 02/23/99, 02/23/99

2. Name & address of receiving party(ies)

Name: **International Business
Machines Corporation**
Street
Address: **New Orchard Road**
City: **Armonk** State: **New York** ZIP: **10504**

jc530 U.S. PTO
09/257146
02/24/99

4. Application number(s) or patent number(s):

09/257146

Title of Application: **HIERARCHICAL ROW ACTIVATION METHOD FOR BANKING CONTROL IN MULTI-BANK
DRAM**

If this document is being filed together with a new application, the execution date of the
application is: **02/23/99, 02/23/99, 02/23/99**

A. Patent Application No(s).
Docket No. **FI9-98-020**
Serial No.

B. Patent No(s)

Additional numbers attached? Yes No

5. Name and address of party to whom
correspondence concerning document
should be mailed:

Name: **Daryl K. Neff**

Street Address:

**IBM Corporation
Intellectual Property Law Dept.
Dept. 18G/Bldg. 300-482
1580 Route 52
Hopewell Junction, NY 12533-6531**

6. Total number of applications and
patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
Enclosed
 Authorized to be charged to
deposit account

8. Deposit A/C no.: **09-0458 (FI-095)**
(Attach duplicate copy of this page
if paying by deposit account)

03/05/1999 JSHABAZZ 00000017 090458 09257146

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9. Statement of signature:

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.

Daryl K. Neff, Reg. No. 38,253

Name of Person Signing

Telephone No. (914) 894-3664

Signature

Daryl Neff

2/24/99
Date

Total number of pages, including cover sheet, attachments, and document 3

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I hereby certify that this correspondence is being deposited with the United States Postal Service as
Express Mail in an envelope addressed to: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231.
Applicant and/or Attorney requests the date of deposit
as the filing date.

February 24, 1999
DATE OF DEPOSIT

Robinann Zeno
Robinann Zeno

2/24/99
SIGNATURE AND DATE

**PATENT
REEL: 9793 FRAME: 0715**

ASSIGNMENT

Whereas, we

Inventor (1) Brian Ji
County of Dutchess

Fishkill, LBJ 2-23-99
City of ~~Wappingers Falls~~
and State of New York

Inventor (2) Toshiaki Kirihata
County of Dutchess

Poughkeepsie T.K. 2-23-99
City of ~~Wappingers Falls~~
and State of New York

Inventor (3) Dmitry Netis
County of Dutchess

BEACON DN 2-23-99
City of ~~Wappingers Falls~~
and State of New York

have invented certain improvements in

Title HIERARCHICAL ROW ACTIVATION METHOD FOR BANKING CONTROL IN
MULTI-BANK DRAM

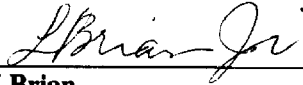
Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on

(1) *February 23 1999*, (2) *February 23 1999* and
(3) *February 23 1999*.

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;

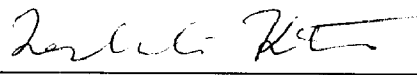
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign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

City (1) Signed at E. Fishkill, NY
Date on Feb. 23, 1999



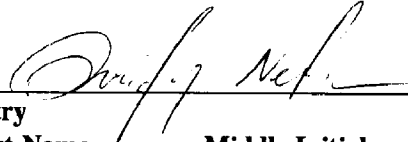
(Brian Ji) signature
First Name Middle Initial Last Name) inventor

City (2) Signed at E. Fishkill, NY
Date on Feb. 23, 1999



(Toshiaki Kirihata) signature
First Name Middle Initial Last Name) inventor

City (3) Signed at E. Fishkill, NY
Date on February 23, 1999



(Dmitry Netis) signature
First Name Middle Initial Last Name) inventor