

08-22-2001

Docket No.: FIS920010065US1(14374)

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



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To the Honorable Commissioner of Patents

ached original documents or copy thereof.

1. Name of conveying party(ies):

**Hiroyuki Akatsu**  
**Louis L. Hsu**  
**Jeremy K. Stephens**  
**Daniel W. Storaska**

08/14/01

2. Name and address of receiving party(ies):

Name: **International Business Machines Corporation**

Address: **New Orchard Road**

City: **Armonk** State/Prov.: **New York**

Country: **U.S.A.** ZIP: **10504**

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: **8/13; 8/13; 8/9; 8/9/01**

Additional name(s) & address(es)  Yes  No

4. Application number(s) or registration numbers(s):

09/929593

If this document is being filed together with a new application, the execution date of the application is: **8/13; 8/13;**

Patent Application No. Filing date

B. Patent No.(s) **8/9; 8/9/01**

Additional numbers  Yes  No

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

Name: **Steven Fischman**

Registration No. **34,594**

Address: **Scully, Scott, Murphy & Presser**

**400 Garden City Plaza**

**(516) 742-4343**

City: **Garden City** State/Prov.: **New York**

Country: **U.S.A.** ZIP: **11530**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

**09-0458/IBM FI-475**

08/22/2001 DRYRME 00000089 090458 09929593

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9. Statement and 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. 38,253

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

**3**

# ASSIGNMENT

Whereas, we

Inventor and City	(1) Hiroyuki Akatsu County of Westchester	City of Yorktown Heights and State of New York
and	(2) Louis L. Hsu County of Dutchess	City of Fishkill and State of New York
and	(3) Jeremy K. Stephens County of Orange	City of New Windsor and State of New York
and	(4) Daniel W. Storaska County of Orange	City of Walden and State of New York

have invented certain improvements in DRAM DIRECT SENSING SCHEME


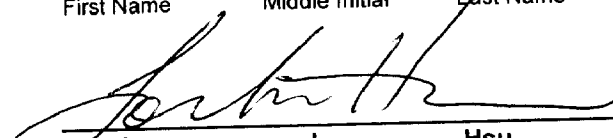
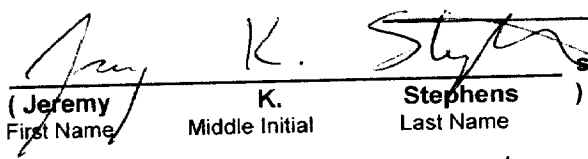
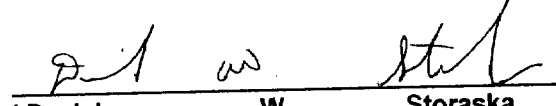
and have executed, respectively, a United States patent application therefor on

Dates That Inventors Signed the Declaration

(1)	August 13, 2001,	and (2)	Aug. 13, 2001,
(3)	August 9, 2001,	and (4)	August 9, 2001.

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 East Fishkill, NY		signature
Date	on 8/13/01	(Hiroyuki Akatsu)	inventor
		First Name Middle Initial Last Name	
City	(2) Signed at E. Fishkill		signature
Date	on 8/13/01	(Louis L. Hsu)	inventor
		First Name Middle Initial Last Name	
City	(3) Signed at East Fishkill, NY		signature
Date	on 8/9/01	(Jeremy K. Stephens)	inventor
		First Name Middle Initial Last Name	
City	(4) Signed at East Fishkill, NY		signature
Date	on 8/9/2001	(Daniel W. Storaska)	inventor
		First Name Middle Initial Last Name	

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): **Hiroyuki Akatsu, et al.**

Docket No.

**FIS920010065US1**

Serial No.

Filing Date

Examiner

Group Art Unit

Invention: **DRAM DIRECT SENSING SCHEME**

JC997 U.S. PTO  
09/29/93  
08/14/01

I hereby certify that this **Recordation Form**

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