

03-19-2002



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To the Honorable Commissioner of Patents and Trademarks, P.O. Box 102021892

with the attached original documents or copy thereof.

1. Name of conveying party(ies):

Howard Hao Chen
Louis Lu-chen Hsu
Li-Kong Wang

03/06/02

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

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

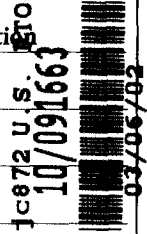
Name: International Business Machines Corporation

Address: New Orchard Road

City: Armonk State/Prov.: NY

Country: U.S.A. ZIP: 10504

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



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 1/16/2002 and 1/21/2002

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

If this document is being filed together with a new application, the execution date of the application is: 1/16; 1/21/2002

Patent Application No. Filing date

B. Patent No.(s)

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

03/19/2002 GTON11 00000028 500510 10091663

01 FC:581 40.00 CH
City: Garden City State/Prov.: NY

Country: USA 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:

50-0510/IBM

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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.

Steven Fischman

March 6, 2002

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

ASSIGNMENT

Whereas, we

Inventor and City	(1) Howard Hao Chen County of Westchester	City of Yorktown Heights and State of New York
and	(2) Louis Lu-Chen Hsu County of Dutchess	City of Fishkill and State of New York
and	(3) Li-Kong Wang County of Bergen	City of Montvale and State of New Jersey

have invented certain improvements in

Title LOW-POWER STATIC COLUMN REDUNDANCY SCHEME FOR SEMICONDUCTOR MEMORIES

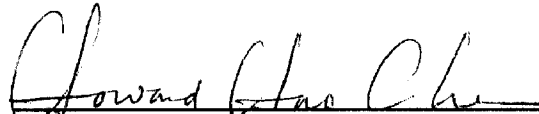
Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on

(1) *January 21, 2002*, and (2) *1-16-02* 2002,
(3) *1-21-2002* 2002.

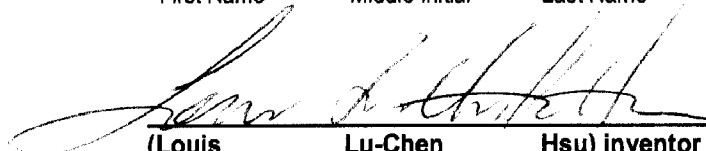
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents 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.

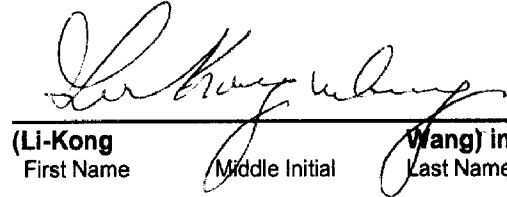
City (1) Signed at Yorktown Heights, NY
Date on January 21, 2002

 signature
(Howard Hao Chen) inventor
First Name Middle Initial Last Name

City (2) Signed at
Date 1/21/02 on Fishkill, NY.

 signature
(Louis Lu-Chen Hsu) inventor
First Name Middle Initial Last Name

City (3) Signed at Yorktown Hts. NY
Date on 1/21/2002

 signature
(Li-Kong Wang) inventor
First Name Middle Initial Last Name