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RECORDATION

08-20-2001

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Patent and Trademark Office

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To the Honorable Commissioner of P.

ie attached original documents or copy thereof.

1. Name of conveying party(ies):

Louis Lu-Chen Hsu
Li-Kong Wang

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

Name: International Business Machines Corporation

Address: New Orchard Road

Additional names(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

City: Armonk State/Prov.: NY

Country: ZIP: 10504

Execution Date: August 2, 2001

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: August 2, 2001

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Steven Fischman

Registration No. 34,594

Address: 400 Garden City Plaza

City: Garden City State/Prov.: NY

Country: 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

08/17/2001 AHMED1 00000088 500510 09924661

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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

Name of Person Signing



Signature

August 8, 2001

Date

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

PATENT

ASSIGNMENT

Whereas, we

Inventor
and City

(1) Louis Lu-Chen Hsu
County of Dutchess

City of Fishkill
and State of New York

and

(2) Li-Kong Wang
County of Bergen

City of Montvale
and State of New Jersey

have invented certain improvements in

Title

ENHANCED BITLINE EQUALIZATION FOR HIERARCHICAL BITLINE ARCHITECTURE

Dates That
Inventors
Signed the
Declaration

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

(1) 2001, and (2) Aug. 2nd 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

Date

on

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

City

(2) Signed at Yorktown Hts, NY

Date

on

Aug. 2nd 2001

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

ASSIGNMENT

Whereas, we

Inventor
and City

(1) Louis Lu-Chen Hsu
County of Dutchess

City of Fishkill
and State of New York

and

(2) Li-Kong Wang
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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;

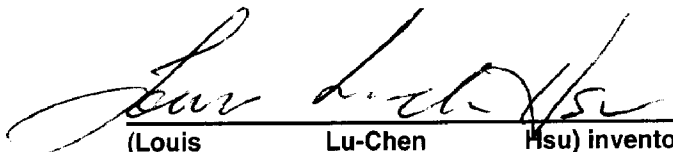
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign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

Date

on *Aug 2, 01*

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

City

(2) Signed at

Date

on

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