

09-17-1998

Docket No.: YO998-240/11548

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
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P08A/REV02

EET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



100830868

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Frank R. Libsch  
Kei-Hsiung Yang  
James L. Sanford

MNO 9-3-98

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: August 14/18, 1998

## 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: 11530

Additional name(s) &amp; address(es)

☐ 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 14/18, 1998

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: Richard L. Catania

Registration No. 32,608

Address: SCULLY, SCOTT, MURPHY &amp; PRESSER

400 Garden City Plaza

City: Garden City State/Prov.: NY

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:

50-0510/IBM

09/16/1998 JSHBAZZ 00000219 500510 09146713

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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.

Frank S. DiGiglio

September 3, 1998

Name of Person Signing

Signature

Date

Reg. No. 31,346

Total number of pages including cover sheet, attachments, and

3

PATENT  
REEL: 9447 FRAME: 0987

# Assignment

Whereas, we

Inventor  
and City

(1) Frank R. Libsch  
County of Westchester

of White Plains  
and State of New York

and (2) Kei-Hsiung Yang  
County of Westchester

of Katonah  
and State of New York

and (3) James L. Sanford  
County of Westchester

of Chappaqua  
and State of New York

have invented certain improvements in

TITLE APERTURE RATIO CELL STRUCTURE FOR REFLECTIVE ARRAYS

and executed, respectively, a United States patent application therefor on  
DATES THAT (1) August 14, 1998, and (2) August 14, 1998, and (3) August 18, 1998.

INVENTORS  
SIGNED THE  
DECLARATION

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 inventions 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.

Signed and sealed

CITY (1) at Yorktown Hgts., NY  
DATE on August 14, 1998

1998,

Frank R. Libsch  
(Frank R. Libsch)  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE  
INVENTOR

Signed and sealed

CITY (2) at Yorktown Hgts., NY  
DATE on August 14, 1998

1998,

Kei-Hsiung Yang  
(Kei-Hsiung Yang)  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE  
INVENTOR

Signed and sealed

CITY (2) at Yorktown Hgts.  
DATE on August 18,

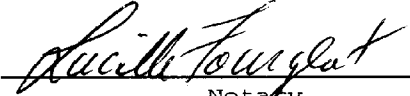
1998,

James L. Sanford  
(James L. Sanford)  
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE  
INVENTOR

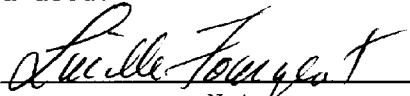
State of New York ) SS.:  
County of Westchester )

On this 14th day of August 1998, before me personally came  
INVENTOR Frank R. Libsch to me personally known, and known to me to be the (1)  
person described in and who executed the foregoing assignment, and he acknowledged  
to me that he executed the same as his free act and deed.

  
\_\_\_\_\_  
Notary  
LUCILLE FOURGEOT  
NOTARY PUBLIC, State of New York  
No. 4502670  
Qualified in Westchester County  
Commission Expires 06/30/99

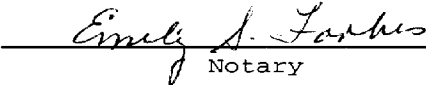
State of New York ) SS.:  
County of Westchester )

On this 14th day of August 1998, before me personally came  
INVENTOR Kei-Hsiung Yang to me personally known, and known to me to be the (2)  
person described in and who executed the foregoing assignment, and he acknowledged  
to me that he executed the same as his free act and deed.

  
\_\_\_\_\_  
Notary  
LUCILLE FOURGEOT  
NOTARY PUBLIC, State of New York  
No. 4502670  
Qualified in Westchester County  
Commission Expires 06/30/99

State of New York ) SS.:  
County of Westchester )

On this 18th day of August 1998, before me personally came  
INVENTOR James L. Sanford to me personally known, and known to me to be the (2)  
person described in and who executed the foregoing assignment, and he acknowledged  
to me that he executed the same as his free act and deed.

  
\_\_\_\_\_  
Notary  
EMILY S. FORBES  
Notary Public, State of New York  
No. 01FO4935185  
Qualified in Westchester County  
Commission Expires July 25, 10/2000