

03-16-1999

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



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

1. Name of conveying party(ies):

**Kenneth L. Ho**  
**Minhua Lu**  
**Alan E Rosenbluth**  
**Kei-Hsiung Yang**

*MLD*  
*3-2-99*

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

Name: International Business Machines Corporation

Internal Address: \_\_\_\_\_

Street Address: New Orchard Road

City: Armonk State: NY 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: 2/25/99 & 2/26/99

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

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

*09/260,869*

If this document is being filed together with a new application, the execution date of the application is: 2/25/99 & 2/26/99

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Richard L. Catania

Internal Address: \_\_\_\_\_

Street Address: SCULLY, SCOTT, MURPHY, & PRESSER

400 Garden City Plaza

City: Garden City State: NY 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.*

Richard L. Catania

*[Signature]*

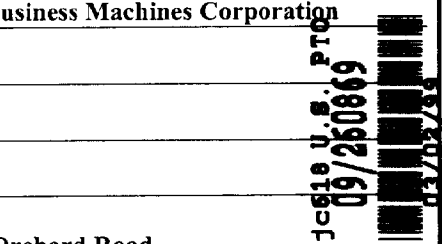
March 2, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: **3**



03/15/99 01 P 581 3 90000050 50-0510 40.00 CN

(JOINT FORM)  
(MORE THAN TWO)

# Assignment

Whereas, we

Inventor  
and City

(1) Kenneth C. Ho  
County of Westchester

of Yonkers  
and State of New York

and (2) Minhua Lu  
County of Westchester

of Mohegan Lake  
and State of New York

and (3) Alan E. Rosenbluth  
County of Westchester

of Yorktown Heights  
and State of New York

and (4) Kei-Hsiung Yang  
County of Westchester

of Katonah  
and State of New York

and (5) XXXXXXXX  
County of XXXXXXXX

of XXXXXX  
and State of XXXXXXXX

have invented certain improvements in

TITLE LIQUID CRYSTAL STRUCTURE WITH IMPROVED BLACK STATE, AND PROJECTOR  
USING SAME

and executed, respectively, a United States patent application therefor on  
DATES THAT (1) February 26, 1999, and (2) February 26, 1999, and (3) February 25, 1999, and  
INVENTORS (4) February 26, 1999, and (5) 1999.  
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 <u>Yonkers, N.Y.</u>	<u>Kenneth C. Ho</u>		SIGNATURE	
DATE	on <u>February 26</u> , 1999,	(Kenneth	C	Ho	) INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME	
		Signed and sealed			
CITY	(2) at <u>Yorktown Heights</u>	<u>Minhua Lu</u>		SIGNATURE	
DATE	on <u>February 26</u> , 1999,	(Minhua		Lu	) INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME	
		Signed and sealed			
CITY	(3) at <u>YORKTOWN, N.Y.</u>	<u>Alan E. Rosenbluth</u>		SIGNATURE	
DATE	on <u>February 25</u> , 1999,	(Rosenbluth	E	Alan	) INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME	
		Signed and sealed			
CITY	(4) at <u>Yorktown Heights</u>	<u>Kei-Hsiung Yang</u>		SIGNATURE	
DATE	on <u>February 26</u> , 1999,	(Kei-Hsiung		Yang	) INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME	
		Signed and sealed			
CITY	(5) at	(XXXXXXXXXX	X	XXXXXXXXX	) INVENTOR
DATE	on	1999,			
		FIRST NAME	MIDDLE INITIAL	LAST NAME	

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

INVENTOR  
(1)

On this 26<sup>th</sup> day of February 1999, before me personally came  
~~XXXXXXXXXXXX~~ JENNIFER C. HO to me personally known, and known to me to be the  
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.

Emily S. Forbes  
Notary

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

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

INVENTOR  
(2)

On this 26<sup>th</sup> day of February 1999, before me personally came  
~~XXXXXXXXXX~~ Minhua Lu to me personally known, and known to me to be the  
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.

Emily S. Forbes  
Notary

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

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

INVENTOR  
(3)

On this 25<sup>th</sup> day of February 1999, before me personally came  
~~XXXXXXXXXX~~ Alan E. Rosenbluth to me personally known, and known to me to be the  
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.

Sandra M. Emma  
Notary

SANDRA M. EMMA  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, 2000

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

INVENTOR  
(4)

On this 26<sup>th</sup> day of February 1999, before me personally came  
Wei-Hsiung Yang to me personally known, and known to me to be the  
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.

Emily S. Forbes  
Notary

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

State of ) SS.:  
County of )

INVENTOR  
(5)

On this \_\_\_\_\_ day of \_\_\_\_\_ 1999, before me personally came  
to me personally known, and known to me to be the  
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