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Form PTO-1595

REEL 101212805 PATENTS ONLY

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

<p>1. Name of conveying party(ies):</p> <p>a) <u>Kei-Hsiung Yang</u> g) _____ b) <u>Minhua Inc</u> h) _____ c) _____ i) _____ d) _____ j) _____ e) _____ k) _____ f) _____ l) _____</p> <p>More names attached? <u>Y</u> x N</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: INTERNATIONAL BUSINESS MACHINES CORPORATION Address: Old Orchard Road Armonk, NY 10504</p> <p>More names attached? <u>Y</u> x N</p>
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3. Nature of Conveyance: x Assignment

4. Application number: Filed: _____

Filed with new application: x yes _____ no

Execution date(s): 09/443393

a) <u>11/19/99</u>	g) _____
b) <u>11/19/99</u>	h) _____
c) _____	i) _____
d) _____	j) _____
e) _____	k) _____
f) _____	l) _____

Additional numbers attached? Y x N

10564 U.S. PTO
 09/443393
 11/19/99

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name:</p> <p><u>James E. Murray</u> <u>69 South Gate Drive</u> <u>Poughkeepsie, NY 12501</u></p>	<p>6. Total # of applications and patents involved: <u>01</u></p>
	<p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u></p>
	<p>8. Charge to Deposit Account <u>50-0510</u>. A duplicate copy is enclosed.</p>

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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.

James E. Murray *James E. Murray* 11/19/99
Signature Date

Total number of pages including cover sheet, attachments, and document: 4

Express Mail Label No. (if applicable): 96133693304ES Docket No.: Y09-90-49

12/01/1999 DMGUYEN 00000262 500510 09443393

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PATENT REEL: 010403 FRAME: 0577

A S S I G N M E N T

Whereas, We

- Inventor (1) KEI-HSIUNG YANG of KATONAH
County of WESTCHESTER and State of NEW YORK
- Inventor (2) MINHUA LU of MOHEGAN LAKE
County of WESTCHESTER and State of NEW YORK
- Inventor (3) of
County of and State of
- Inventor (4) of
County of and State of
- Inventor (5) of
County of and State of
- Inventor (6) of
County of and State of

have invented certain improvements in DISCOTIC-TYPE TWIST-FILM COMPENSATED SINGLE-DOMAIN OR TWO-DOMAIN TWISTED NEMATIC LIQUID CRYSTAL DISPLAYS

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

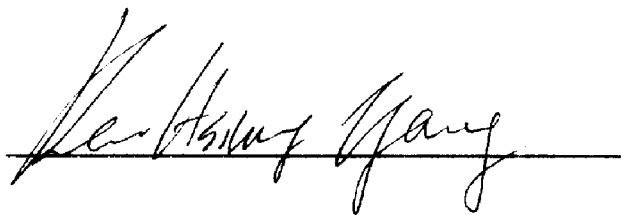
- (1) November 19, 1999, (2) November 19, 1999,
- (3) , 1999, and (4) , 1999,
- (5) , 1999 and (6) , 1999.

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, and, 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 and Trademarks 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

(1) at Yorktown Heights, NY
on Nov. 19, 1999



A handwritten signature in black ink, appearing to read "Kenneth H. Wang", written over a horizontal line.

(2) at Yorktown Heights, NY
on Nov. 19, 1999



A handwritten signature in black ink, written over a horizontal line. The signature is stylized and difficult to decipher.

(3) at _____
on _____

(4) at _____
on _____

(5) at _____
on _____

(6) at _____
on _____
