

05-14-2001

In place of Form PTO-1595



RECO 101714272 ENTS

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof:

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

Praveen CHAUDHARI  
James P. DOYLE  
Shui-Chih LIEN  
Minhua LU  
James L. SPEIDELL  
Robert J. VON GUTFELD

**Execution Date:**

May 2, 2001  
April 27, 2001  
April 27, 2001  
April 27, 2001  
April 30, 2001  
April 27, 2001

11040 U.S. PTO  
09/848709  
05/03/01

**2. Name and address of receiving party:**

INTERNATIONAL BUSINESS MACHINES CORPORATION  
New Orchard Road  
Armonk, New York 10504

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

Yes ☐ No ☒

**3. Nature of conveyance:** ☒ Assignment**4. Application or patent number(s):**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. May 2, 2001

A. Patent Application No.(s):

B. Patent No.(s):

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

Jon A. Gibbons  
FLEIT, KAIN, GIBBONS, GUTMAN & BONGINI P.L.  
One Boca Commerce Center  
551 Northwest 77<sup>th</sup> Street, Suite 111  
Boca Raton, Florida 33487

**6. Total number of applications and patents involved:** 1**7. Total fee (37 CFR 3.41):** \$ 40.00

The Commissioner is hereby authorized to charge this fee and any additional fees to deposit account no. 50-0510

DO NOT USE THIS SPACE

**8. 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.

Jon A. Gibbons

Name of Person Signing

Signature

May 3, 2001

Date

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

Mail document(s) to be recorded with required cover sheet information to:

05/14/2001 GTON11 00000066 500510 09848709

01 FC:561 40.00 CH

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D. C. 20231

**PATENT**  
**REEL: 011784 FRAME: 0815**

EXPRESS MAIL LABEL NO. EL746147196US

PATENT

ASSIGNMENT

Whereas, we,

- (1)\* Praveen CHAUDHARI of Briarcliff Manor,  
County of Westchester and State of New York
- (2)\* James P. DOYLE of Bronx,  
County of Bronx and State of New York
- (3)\* Shui-Chin LIEN of Briarcliff Manor,  
County of Westchester and State of New York
- (4)\* Minhua LU of Mohegan Lake,  
County of Westchester and State of New York
- (5)\* James L. SPEIDELL of Poughquag,  
County of Dutchess and State of New York
- (6)\* Robert J. VON GUTFELD of New York,  
County of New York and State of New York

have invented certain improvements in

**MASKLESS METHOD AND SYSTEM FOR CREATING A DUAL-DOMAIN  
PATTERN ON A DIAMOND-LIKE CARBON ALIGNMENT LAYER**

and executed a United States patent application therefor on the following date(s):

(1)\* 5/02/01 (2)\* 4/27/01  
(3)\* 4/27/01 (4)\* 4/27/01  
(5)\* 4/30/01 (6)\* 4/27/01

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 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 acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on the 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.

Docket No. YOR920010228US1

-1-

APR 24 2001 13:35

561 989 9812 PAGE 05

PATENT  
REEL: 011784 FRAME: 0816

EXPRESS MAIL LABEL NO. EL746147198US

Signed and sealed:

\* PLEASE CHECK OR FILL IN ALL SECTIONS WITH AN ASTERISK

LOCATION (county you are in when signing this document)	DATE	SIGNATURE
(1)* <u>Westchester</u>	<u>5/02/01</u>	<u>P. Chaudhari</u> Praveen CHAUDHARI
(2)* <u>Westchester</u>	<u>4/27/01</u>	<u>James P. Doyle</u> James P. DOYLE
(3)* <u>Westchester</u>	<u>4/27/01</u>	<u>Sh-Chih Lien</u> Shui-Chih LIEN
(4)* <u>Westchester</u>	<u>4/27/01</u>	<u>Minhua Lu</u> Minhua LU
(5)* <u>WESTCHESTER</u>	<u>4/30/01</u>	<u>James L. Speidell</u> James L. SPEIDELL
(6)* <u>Westchester</u>	<u>4/27/01</u>	<u>Robert J. Vongutfield</u> Robert J. VONGUTFIELD

Docket No. YOR920010228US1

-2-

APR 24 2001 13:36

561 989 9812

PAGE.06

-1-

APR 24 2001 13:36

561 989 9812 PATENT.07

RECORDED: 05/03/2001

REEL: 011784 FRAME: 0817