

09-20-2002

Atty. Docket No. FIS920020061US1RECORDATION FORM COVER SHEET
PATENTS ONLYTo **102228322**
copy thereof.

ents and Trademarks: Please record the attached original documents or

1. Name of Conveying party(ies): **Hiroyuki Akatsu, Oleg Gluschenkov, Porshia s. Parkinson, Kenneth T. Settlemeyer, Jr.**3. Nature of Conveyance: **Assignment**Execution Date: **09/06/02, 08/21/02, 09/09/02, 08/16/02**

2. Name & address of receiving party(ies)

Name: **International Business Machines Corporation**

Street

Address: **New Orchard Road**City: **Armonk** State: **New York** ZIP: **10504**1002 U.S. PRO
10/24/225
09/12/02

MRD 9/12/02

4. Application number(s) or patent number(s):

Title of Application: **VERTICAL HARD MASK**If this document is being filed together with a new application, the execution date of the application is: **09/06/02, 08/21/02, 09/09/02, 08/16/02**A. Patent Application No(s).
Docket No. **FIS920020061US1**
Serial No.

B. Patent No(s)

10241225

Additional numbers attached? Yes X No

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

Name: **Daryl K. Neff**

Street Address:

**IBM Corporation
Intellectual Property Law Dept.
Dept. 18G/Bldg. 300-482
2070 Route 52
Hopewell Junction, NY 12533-6531**6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

EnclosedX Authorized to be charged to deposit account8. Deposit A/C no.: **09-0458 (FI-358)**
(Attach duplicate copy of this page if paying by deposit account)

09/19/2002 GTOM11 00000252 090458 10241225

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9. Statement of 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.

Daryl K. Neff, Reg. No. 38,253

Name of Person Signing

Telephone No. (914) 894-3664

Signature

Date

Total number of pages, including cover sheet, attachments, and document 3Express Mail No. **ET926725236US**

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: UNITED STATES PATENT & TRADEMARK OFFICE, PO BOX 2327, ARLINGTON, VA 22202. Applicant and/or Attorney requests the date of deposit as the filing date.

September 10, 2002

DATE OF DEPOSIT

KAREN CINQ-MARS

SIGNATURE AND DATE

KAREN CINQ-MARS 9/10/02

PATENT
REEL: 013296 FRAME: 0698

ASSIGNMENT

WHEREAS, we

(1) Hiroyuki Akatsu County of Westchester and	of Yorktown Heights State of New York
(2) Oleg Gluschenkov County of Dutchess and	of Wappingers Falls State of New York
(3) Porshia S. Parkinson County of Dutchess <i>Fairfield</i> and	of Wappingers Falls <i>Danbury</i> State of New York <i>Connecticut</i>
(4) Kenneth T. Settlemyer, Jr. County of Dutchess and	of Poughquag State of New York

have invented certain improvements in

VERTICAL HARD MASK

and executed a United States patent application therefor on:
(dates that Inventors signed the declaration)


(1) 9-6, 2002 and (2) 8/21, 2002 and
(3) 9/9/02, 2002 and (4) 8/16, 2002.

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;

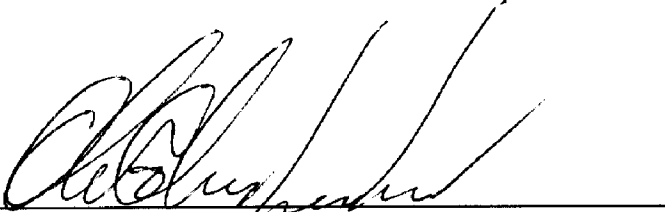
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I 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 East Fishkill -
on 9-6, 2002,
and


Hiroyuki Akatsu

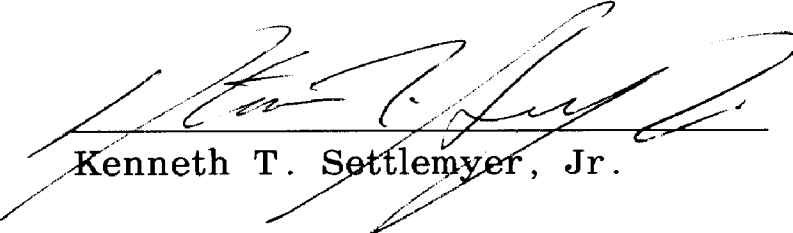
(2) at East Fishkill, NY
on 8/21, 2002,


Oleg Gluschenkov

(3) at East Fishkill, NY
on 9/9, 2002,


Porshia S. Parkinson

(4) at East Fishkill, NY
on 8/16, 2002,


Kenneth T. Settlemeyer, Jr.