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To the Honorable Commissioner of Patent

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Cyprian E. Uzoh and James M. E. Harper Name of Conveying party(ies): 2. Name & address of receiving party(ies) Nature of Conveyance: Assignment International Business Name: Machines Corporation Street Execution Date: Address: Old Orchard Road 3/25/97 and 3/25/97 City: Armonk State: New York ZIP: 10504 4. Application number(s) or patent number(s): Title of Application: APPARATUS FOR ELECTROCHEMICAL MECHANICAL PLANARIZATION If this document is being filed together with a new application, the execution date of the application is: 3/25/97 and 3/25/97 B. Patent No(s) Patent Application No(s). Docket No. F19-97-024 Serial No. Additional numbers attached? Yes X No Total number of applications and Name and address of party to whom correspondence concerning document patents involved: 1 should be mailed: Name: Joseph P. Abate Total fee (37 CFR 3.41): \$40.00 Street Address: Enclosed X Authorized to be charged to IBM Corporation deposit account Intellectual Property Law Dept. Deposit A/C no.: 09-0458 (FI-141) Dept. 18G/Bldg. 300-482 (Attach duplicate copy of this page 1580 Route 52 12,33-6531 if paying by deposit account) Hopewell Junction, NY 11 00000131 090458 08824747 /02/1**998** TTOH11 40.00 CH DO NOT USE THIS SPACE

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.

Joseph P. Abate, Reg. No. 30,238 Name of Person Signing Telephone No. (914) 894-4633

Total number of pages, including cover sheet, attachments, and document 2

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I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. Applicant and/or Attorney requests the date of deposit as the filing date.

MARCH 26, 1997 DATE OF DEPOSIT Monadry 3

PATENT

REEL: 9548 FRAME: 0794

ASSIGNMENT

WHEREAS, we

(1) Cyprian E. Uzoh County of Dutchess

of Hopewell Junction and State of New York

and (2) James M. E. Harper County of Westchester

of Yorktown Heights and State of New York

have invented certain improvements in APPARATUS FOR ELECTROCHEMICAL MECHANICAL PLANARIZATION

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

- (1) 3/25 1997, and
- (2) 3/25 1997, and

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 and sealed (city and date)

(1) at East Fishkill
on 3/25 1997, Cyprian E. Uzoh

(2) at Yerkform Hrights James M. E. Harper

1997, James M. E. Harper

REEL: 9548 FRAME: 0795 RECORDED: 10/22/1998