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PATENTS ONLY

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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):

Emanuel Cooper (08/29/2003), Bruce Furman  
(09/02/2003), and David Rath (08/29/2003)Additional name(s) of conveying party(ies)  
attached?☐ Yes☒ No

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: see Box 1, conveying parties

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

Name: International Business Machines

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

Street Address: \_\_\_\_\_

New Orchard RoadCity: ArmonkState: NYZip: 10504Additional name(s) &  
address(es) attached:☐ Yes☒ No

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

If this document is being filed together with a new application, the execution date of the new application is: September 17, 2003

## A. Patent Application No.(s):

This application

10664017

Additional numbers attached?

☐ Yes☒ No

## B. Patent No.(s):

5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Burton A. Amernick  
CONNOLLY BOVE LODGE & HUTZ LLPInternal Address: Atty. Dkt.: 20140-00297-USStreet Address:  
1990 M Street, N.W., Suite 800City:  
WashingtonState: DC Zip: 20036-34256. Total number of applications and  
patents involved:1

## 7. Total fee (37 CFR 3.41)

\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account☐ Authorized to be charged to credit card  
(Form 2038 enclosed)

## 8. Deposit account number:

50-0510

(Attach duplicate copy of this page if paying by deposit account)

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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.*Burton A. Amernick - 24,852  
Name of Person Signing[Signature]  
SignatureSeptember 17, 2003  
DateTotal number of pages including cover sheet, attachments, and documents: 3

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ASSIGNMENT

YOR920020297US1  
(20140/0297)  
Page 1 of 2

Whereas, We,

Emanuel I. Cooper  
County of Westchester

City of Scarsdale  
and State of New York

Bruce K. Furman  
County of Dutchess

City of Poughquag  
and State of New York

David L. Rath  
County of Dutchess

City of Stormville  
and State of New York

have invented certain improvements in **Method for Isotropic Etching of Copper**, and have executed, respectively, a United States patent application therefor on

- (1) 8/29/03
- (2) 9/2/03
- (3) 8/29/03

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, 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 invention 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

(1) signed at Yorktown Heights, NY  
on 8/29/2003

  
Emanuel I. Cooper

(2) signed at Yorktown Heights, NY  
on 9/2/2003

  
Bruce K. Furman

(3) signed at Yorktown Heights, NY  
on 8/29/2003

  
David L. Rath