

01-28-1999

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IBM Docket No.: F19-9 7-100



To the Honorable Commissioner of Patents and

il documents or copy thereof.

1. Name of conveying party(ies):

100952132

Address of receiving party(ies):

Krishna G. Sachdev
Umar M. Ahmad
Hsing H. Chen
Lawrence D. David
Charles H. Perry
Donald R. Wall

Name: International Business Machines Corporation

Internal Address: N/A

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

MRD
1-19-99

Street Address: New Orchard Road

City: Armonk

State: New York

Zip Code: 10504

[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other _____

Additional Name(s) & Address(es) attached?

[] Yes [X] No

Execution Date: 12/11/98; 12/10/98; 12/14/98;
12/13/98; 12/21/98; 12/10/98

J-c523 U.S. PTO
09/233384
01/19/99

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

09 / 233,384

Title of Application: METHOD OF ETCHING MOLYBDENUM METAL FROM SUBSTRATES

If this document is being filed together with a new application, the execution date of the application is: 12/11;12/10;12/14;12/13; , 19 98 .
12/21; 12/10

A. Patent Application No.(s) B. Patent No.(s)
FI9-97-100

Additional numbers attached? [] Yes [X] No

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

Name: DeLIO & PETERSON, LLC
Street Address: 121 Whitney Avenue
City: New Haven State: CT
Zip Code: 06510-1241

6. Total number of applications and patents involved:.....[1]

7. Total Fee (37 CFR 3.41) \$40.00
[] Enclosed
[X] Authorized to be charged to Deposit Account number below
[X] Any deficiencies in the enclosed fees

CERTIFICATE OF MAILING UNDER 37 CFR 1.10
I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231, as "Express Mail Post Office to Addressee" Mailing Label No. EI374493337US

on January 19, 1999
RobinAnn Zeno
Name of person mailing paper
Signature *RobinAnn Zeno* 1/19/99
Date:

8. Assignee IBM Corporation Deposit Account Number:

09-0458 (FI-037)

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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.

Aziz M. Ahsan
Name of Person Signing
Registration No. 32,100

Aziz M. Ahsan
Signature

JAN. 18, 1999
Date

Phone No.: 914-894-4713

Total number of pages including cover sheet, attachments, and document: [5]

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09233384
00000158 090458
40.00 CH
01/27/1999 504RMS
01 FC:501

PATENT
REEL: 9716 FRAME: 0965

ASSIGNMENT

Whereas, we

Inventor and
City

(1) **Krishna G. Sachdev**
County of **Dutchess**

City of **Hopewell Junction**
and State of **New York**

and

(2) **Umar M. Ahmad**
County of **Dutchess**

City of **Hopewell Junction**
and State of **New York**

and

(3) **Hsing H. Chen**
County of **Dutchess**

City of **Poughkeepsie**
and State of **New York**

and

(4) **Lawrence D. David**
County of **Hillsborough**

City of **Amherst**
and State of **New Hampshire**

and

(5) **Charles H. Perry**
County of **Dutchess**

City of **Poughkeepsie**
and State of **New York**

and

(6) **Donald R. Wall**
County of **Dutchess**

City of **Poughkeepsie**
and State of **New York**

Title

have invented certain improvements in
**METHOD OF ETCHING MOLYBDENUM METAL
FROM SUBSTRATES**

Date That
Inventors
Signed the
Declaration

and have executed, respectively, a United States patent application therefor on
(1) 12/11, 1998, and (2) 12/10, 1998,
and (3) 12/11, 1998, and (4) _____, 19____,
and (5) 12/21, 1998, and (6) 12/10, 1998.

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.

ASSIGNMENT (continued)

TITLE: METHOD OF ETCHING MOLYBDENUM METAL FROM CERAMIC SUBSTRATES

City (1) Signed at East Fishkill NY
City State

Date on 12/11, 1998 Krishna C. Sachdev signature
Krishna Sachdev
G 12/12-11-98

City (2) Signed at East Fishkill New York
City State

Date on 12 10, 1998 Umar M. Ahmad signature
Umar M. Ahmad

City (3) Signed at East Fishkill New York
City State

Date on Dec-14, 1998 Hsing H. Chen signature
Hsing H. Chen

City (4) Signed at _____
City State

Date on _____, 19____ signature
Lawrence D. David

City (5) Signed at EAST FISHKILL New York
City State

Date on 12-21, 1998 Charles H. Perry signature
Charles H. Perry

City (6) Signed at East Fishkill New York
City State

Date on 12/10, 1998 Donald R. Wall signature
Donald R. Wall

ibm100176000asg1

ASSIGNMENT

Whereas, we

Inventor and City	(1) Krishna G. Sachdev County of Dutchess	City of Hopewell Junction and State of New York
and	(2) Umar M. Ahmad County of Dutchess	City of Hopewell Junction and State of New York
and	(3) Hsing H. Chen County of Dutchess	City of Poughkeepsie and State of New York
and	(4) Lawrence D. David County of Hillsborough	City of Amherst and State of New Hampshire
and	(5) Charles H. Perry County of Dutchess	City of Poughkeepsie and State of New York
and	(6) Donald R. Wall County of Dutchess	City of Poughkeepsie and State of New York

Title have invented certain improvements in
**METHOD OF ETCHING MOLYBDENUM METAL
FROM SUBSTRATES**

Date That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on
(1) _____, 19____, and (2) _____, 19____,
and (3) _____, 19____, and (4) December 13, 1998,
and (5) _____, 19____, and (6) _____, 19____.

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.

ASSIGNMENT (continued)

TITLE: METHOD OF ETCHING MOLYBDENUM METAL FROM CERAMIC SUBSTRATES

City (1) Signed at _____
City State

Date on _____, 19____ signature
Krishna Sachdev

City (2) Signed at _____
City State

Date on _____, 19____ signature
Umar M. Ahmad

City (3) Signed at _____
City State

Date on _____, 19____ signature
Hsing H. Chen

City (4) Signed at Amherst, New Hampshire
City State

Date on December 13, 1998 signature
Lawrence D. David
Lawrence D. David

City (5) Signed at _____
City State

Date on _____, 19____ signature
Charles H. Perry

City (6) Signed at _____
City State

Date on _____, 19____ signature
Donald R. Wall

ibm100176000asg1