



11-29-2000



101530810

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks.  
Please record the attached original documents.

1. Name(s) of conveying party(ies):  
 (1) Lawrence A. Clevenger (2) Ronald G. Filippi  
 (3) Kenneth P. Rodbell (4) Roy C. Iggulden  
 (5) Chao-Kun Hu (6) Lynn M. Gignac  
 (7) Stefan Weber (8) Jeffrey P. Gambino  
 (9) Rainer F. Schnabel

Additional names(s) of conveying party(ies) attached?  
 Yes  No

2. Name(s) and address(es) of receiving party(ies):  
 Name: International Business Machines Corporation  
 Internal Address:  
 Street Address: Old Orchard Road  
 City: Aramonk State: NY  
 Country: USA Zip Code: 10504

Additional name(s) & address(es) attached?  
 Yes  No MAD 10/23/00

3. Nature of Conveyance:  
 Assignment  Security Agreement  
 Merger  Change of Name  
 Other \_\_\_\_\_

Execution date: August 2, August 3, August 24, September 18, and October 18, 2000

4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).  
09/589,546

B. Patent No(s).  
 \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Gary M. Hartman  
 Internal Address: Hartman & Hartman, P.C.  
 Street Address: 552 East 700 North  
 City: Valparaiso State: IN ZIP: 46383

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 1.21(h)). \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 08-0960  
 (Attach duplicate copy of this page)

11/28/2000 RAHMED: 00000135 080960 09589546  
 01 FC:581 40.00 CH

DO NOT USE THIS SPACE

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.

Gary M. Hartman [Signature] Oct 18 2000  
 Name of Person Signing Signature Date

Total number of pages attached to cover sheet: ONE

ASSIGNMENT

WHEREAS, we

- (1) Lawrence Alfred Clevenner, of 90 Andrews St., Lagrangeville, County of Dutchess and State of New York, and
- (2) Ronald Gene Filippi, of White Gates Drive, Apt. 5D, Wappinger Falls, County of Dutchess and State of New York, and
- (3) Kenneth Parker Rodbell, of 24 Sleepy Hollow Rd., Sandy Hook, County of Fairfield and State of Connecticut, and
- (4) Roy Charles Iggulden, of 1 Jands Place, Newburgh, County of Orange and State of New York, and
- (5) Chao-Kun Hy, of 26 Hurler Hill Rd., Somers, County of Westchester and State of New York, and
- (6) Lynne Marie Gignac, of 1 Falconer St., Beacon, County of Dutchess and State of New York, and
- (7) Stefan Weber, of AM Schufeld 27, 01109, Dresden, Germany
- (8) Jeffrey Peter Gambino, of 55 Huntley Road, Westford, County of Chittenden and State of Vermont, and
- (9) Rainer Florian Schnabel, of Lerchenstr. 1A, 85635 Moenkirchen, Germany

have invented certain improvements in a

**ALUMINIDE-BASED METALLIZATION EXHIBITING REDUCED ELECTROMIGRATION AND METHOD THEREFORE**

and have executed, respectively, a United States patent application therefor on

- |                          |                        |
|--------------------------|------------------------|
| (1) <u>8/2</u> , 2000    | (2) <u>8/21</u> , 2000 |
| (3) <u>8/3</u> , 2000    | (4) <u>8/2</u> , 2000  |
| (5) <u>8/3</u> , 2000    | (6) <u>8/3</u> , 2000  |
| (7) <u>10/18</u> , 2000  | (8) <u>8/24</u> , 2000 |
| (9) <u>09/18/</u> , 2000 |                        |

WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"), a corporation of New York, having a place of business at Armonk, New York, 10504, 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, 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 inventions 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) at East Fishkill (city) Lawrence Alfred Clevenger on 8/2/, 2000  
Lawrence Alfred Clevenger
- (2) at East Fishkill (city) Ronald Gene Filippi on 8/2/, 2000  
Ronald Gene Filippi
- (3) at Yorktown Heights (city) Kenneth Parker Redbell on 8/3, 2000  
Kenneth Parker Redbell
- (4) at East Fishkill (city) Roy Charles Iggulden on 8/2, 2000  
Roy Charles Iggulden
- (5) at Yorktown Heights (city) Chao Kun Hu on 8/3, 2000  
Chao Kun Hu
- (6) at Yorktown Heights (city) Lynne Marie Signac on 8/3, 2000  
Lynne Marie Signac
- (7) at Dresden (city) Stefan Weber on 10/18, 2000  
Stefan Weber
- (8) at Essex Junction (city) Jeffrey Peter Gambino on 8/29/, 2000  
Jeffrey Peter Gambino
- (9) at Yonkers (city) Kanier Florian Schnabel on 09/18, 2000  
Kanier Florian Schnabel

STATE OF New York )  
COUNTY OF Dutchess ) ss.:

On this 2<sup>nd</sup> day of August, 2000, before me personally came Lawrence Alfred Clevenger to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

ANNE MARIE BLOOMER  
Notary Public, State of New York  
Qualified in Ulster County  
Registration # 01BL5068215  
Commission Expires October 28, 2000

Anne Marie Bloomer  
Notary

STATE OF New York )  
COUNTY OF Dutchess ) ss.:

On this 2<sup>nd</sup> day of August, 2000, before me personally came Ronald Gene Filippi to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

ANNE MARIE BLOOMER  
Notary Public, State of New York  
Qualified in Ulster County  
Registration # 01BL5068215  
Commission Expires October 28, 2000

Anne Marie Bloomer  
Notary

STATE OF New York )  
COUNTY OF Westchester ) ss.:

On this 3rd day of August, 2000, before me personally came Kenneth Parker Rodbell to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Michelle Parra  
Notary  
**MICHELLE PARRA**  
Notary Public, State of New York  
No. 01PA5088348  
Qualified in Dutchess County  
Commission Expires December 8, 2001

STATE OF New York )  
COUNTY OF Dutchess ) ss.:

On this 2nd day of August, 2000, before me personally came Roy Charles Igguden to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Anne Marie Bloomer  
Notary  
ANNE MARIE BLOOMER  
Notary Public, State of New York  
Qualified in Ulster County  
Registration # 01BL5088215  
Commission Expires October 28, 2000

STATE OF New York )  
COUNTY OF Westchester ) ss.:

On this 3rd day of August, 2000, before me personally came Chao-Kun Hu to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Michelle Parra  
Notary  
**MICHELLE PARRA**  
Notary Public, State of New York  
No. 01PA5088348  
Qualified in Dutchess County  
Commission Expires December 8, 2001

STATE OF New York )  
COUNTY OF Westchester ) ss.:

On this 3rd day of August, 2000, before me personally came Lynne Marie Gignac to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Michelle Parra  
Notary  
**MICHELLE PARRA**  
Notary Public, State of New York  
No. 01PA5088348  
Qualified in Dutchess County  
Commission Expires December 8, 2001

STATE OF Saxony )  
COUNTY OF Dresden )

On this 18<sup>th</sup> day of October, 2000, before me personally came Stefan Weber to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and she acknowledged to me that she executed the same as her free act and deed.

Stefan Weber 10/18/2000  
Notary

STATE OF Vermont )  
COUNTY OF Chittenden )

On this 24<sup>th</sup> day of August, 2000, before me personally came Jeffrey Peter Gombing to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Lois P. [Signature] 2/10/03  
Notary

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2000, before me personally came Rainer Florian Schnabel to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

\_\_\_\_\_  
Notary