

In place of Form PTO-1595

10-22-2001

CKET NUMBER: RPS920010078US1

RECORD/



PATENTS

To the Assistant Commissioner for Patents... 101880578

document(s) or copy thereof:

1. Name of conveying party(ies):

John Michael Borkenhagen  
Moises Cases  
Daniel Mark Dreps  
David LeRoy Guertin  
Nam Huu Pham  
Robert Russell Williams

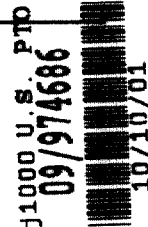
EXECUTION DATES

Oct. 2, 2001  
Oct. 3, 2001  
Oct. 4, 2001  
Oct. 1, 2001  
Oct. 3, 2001  
Oct. 1, 2001

2. Name and address of receiving party:

INTERNATIONAL BUSINESS  
MACHINES CORPORATION  
New Orchard Road  
Armonk, New York 10504

Additional name(s) & address(es) attached?  
 Yes  No



3. Nature of conveyance: XXX Assignment Execution Date: Oct. 2, 2001; Oct. 3, 2001; Oct. 4, 2001; Oct. 1, 2001; Oct. 3, 2001; Oct. 1, 2001

4. Application or patent number(s):

If this document is being filed together with a new application, the execution date of the application is Oct. 2, 2001; Oct. 3, 2001; Oct. 4, 2001; Oct. 1, 2001; Oct. 3, 2001; Oct. 1, 2001

A. Patent Application No.(s):

B. Patent No.(s):

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

INTERNATIONAL BUSINESS MACHINES CORP.  
Personal Systems Group IPLaw Dept.  
Dept. 9CCA/Bldg. 002-2  
P. O. Box 12195  
Research Triangle Park, NC 27709

6. Total number of applications and patents involved: 1

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

Authorized to be charged to deposit account

8. Deposit account number: 09-1990

(Duplicate copy of this sheet is attached)

DO NOT USE THIS SPACE

10/19/2001 DBYRME 00000010 091990 09974686  
01 FC:361 40.00 CH

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.

Martin McKinley  
Name of Person Signing

Martin McKinley  
Signature

10-10-01  
Date

Total number of pages including cover sheet, attachments and document: 3

Mail document(s) to be recorded with required cover sheet information to:

Assistant Commissioner For Patents  
Box Assignments  
Washington, D. C. 20231

**ASSIGNMENT**

Whereas, we,

- (1) John Michael Borkenhagen of Rochester,  
County of Olmsted and State of Minnesota,
- (2) Moises Cases of Austin,  
County of Travis and State of Texas,
- (3) Daniel Mark Dreps of Georgetown  
County of Williamson and State of Texas,
- (4) David LeRoy Guertin of Rochester,  
County of Olmsted and State of Minnesota,
- (5) Nam Huu Pham of Round Rock,  
County of Travis and State of Texas,
- (6) Robert Russell Williams of Rochester,  
County of Olmsted and State of Minnesota,

have invented certain improvements in

Title:

**DYNAMICALLY PRODUCING AN EFFECTIVE IMPEDANCE OF AN OUTPUT DRIVER WITH A BOUNDED VARIATION DURING TRANSITIONS THEREBY REDUCING JITTER**




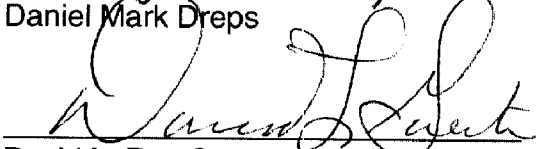
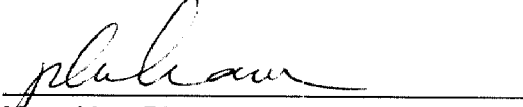

and executed a United States patent application therefor on the following date(s):

- (1) Oct 2, 2001, (2) Oct 2, 2001,
- (3) Oct 4, 2001, (4) 1 Oct 2001,
- (5) Oct 3, 2001, (6) Oct 1, 2001, 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 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 acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on the 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:

| <u>CITY/STATE SIGNED</u> | <u>DATE</u>        | <u>SIGNATURE</u>   |
|--------------------------|--------------------|--|
| (1) <u>Rochester, MN</u> | <u>Oct 2, 2001</u> | <br><u>John Michael Borkenhagen</u>  |
| (2) <u>Austin, TX</u>    | <u>Oct 3, 2001</u> | <br><u>Moises Cases</u>              |
| (3) <u>Austin, TX</u>    | <u>Oct 4, 2001</u> | <br><u>Daniel Mark Dreps</u>         |
| (4) <u>Rochester, MN</u> | <u>Oct 1, 2001</u> | <br><u>David LeRoy Guertin</u>      |
| (5) <u>Austin, TX</u>    | <u>Oct 3, 2001</u> | <br><u>Nam Huu Pham</u>            |
| (6) <u>Rochester, MN</u> | <u>Oct 1, 2001</u> | <br><u>Robert Russell Williams</u> |