

12-10-2003
102618563

Tab settings

To the Honorable Commissioner of Patents and Trademarks:

the attached original documents or copy thereof.

1. Name of conveying party(ies):
**Frank W. Brice, Jr., Richard K. Errickson, Mark S. Farrell,
Charles W. Gainey, Jr., Thomas A. Gregg, Carol B.
Hernandez, Damian L. Osisek and Donald W. Schmidt**
U-25-03
Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
Name: **International Business Machines Corporation**
Address: **New Orchard Road**

City: **Armonk** State/Prov.: **NY**
Country: **USA** ZIP: **10504**
Additional name(s) & address(es) Yes No

22278 U.S. PTO
10/723405

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: **11/21/03; 11/20/03; 11/20/03; 11/20/03;
11/20/03; 11/20/03; 11/24/03**

4. Application number(s) or patent numbers(s):
If this document is being filed together with a new application, the execution date of the application is:
Patent Application No. Filing date B. Patent No.(s)
10723405
Additional numbers Yes No

**11/21/03; 11/20/03;
11/20/03; 11/20/03;
11/20/03; 11/21/03;
11/20/03; 11/24/03**

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Philmore H. Colburn II**
Registration No. **35,101**
Address: **Cantor Colburn LLP**
55 Griffin Road South

City: **Bloomfield** State/Prov.: **CT**
Country: **USA** ZIP: **06002**

6. Total number of applications and patents involved: **1**
7. Total fee (37 CFR 3.41):.....\$ **40.00**
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account
8. Deposit account number:
09-0463
(Attach duplicate copy of this page if paying by deposit account)

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.
Troy J. LaMontagne, Reg. No. 47,239 *Troy J. LaMontagne* **November 25, 2003**
Name of Person Signing Signature Date

8

A S S I G N M E N T

Whereas, We

- Inventor (1) Frank W. Brice Jr. of 152 Woodland Dr., City of Hurley
County of Ulster and State of NY 12443
- Inventor (2) Richard K. Errickson of 33 Beechwood Park, City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (3) Mark S. Farrell of 38 Stirrup Lane, City of Pleasant Valley
County of Dutchess and State of NY 12569
- Inventor (4) Charles W. Gainey Jr. of 21 James St., City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (5) Thomas A. Gregg of 121 Bellevue Rd., City of Highland
County of Ulster and State of NY 12528
- Inventor (6) Carol B. Hernandez of 1 Coachlight Dr., City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (7) Damian L. Osisek of 4605 Salem Dr., City of Vestal
County of Broome and State of NY 13850
- Inventor (8) Donald W. Schmidt of 77 Vincent Lane, City of Stone Ridge
County of Ulster and State of NY 12484

have invented certain improvements in

MEMORY MAPPED INPUT/OUTPUT VIRTUALIZATION

and executed, respectively, a United States patent application therefore on

- | | | | |
|-----------|------------|-----------|------------|
| (1) _____ | 11/21/2003 | (2) _____ | 11/20/2003 |
| (3) _____ | 11/20/2003 | (4) _____ | 11/20/2003 |
| (5) _____ | 11/20/2003 | (6) _____ | |
| (7) _____ | | (8) _____ | 11/21/2003 |

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, and, 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 and Trademarks 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

(1) at POUGHKEEPSIE, NY
or 11/21/2003

Frank W. Brice, Jr.
Frank W. Brice., Jr.

(2) at Poughkeepsie
or 11/20/2003

Richard K. Errickson
Richard K. Errickson

(3) at Poughkeepsie, NY
or 11/20/2003

Mark S. Farrell
Mark S. Farrell

(4) at POUGHKEEPSIE, NY
or 11/20/2003

Charles W. Gainey, Jr.
Charles W. Gainey, Jr.

(5) at Poughkeepsie, NY
or 11/20/2003

Thomas A. Gregg
Thomas A. Gregg

(6) at _____
or _____

Carol B. Hernandez

(7) at _____
or _____

Damian L. Osisek

(8) at POUGHKEEPSIE, NY
or 11/21/2003

Donald W. Schmidt
Donald W. Schmidt

A S S I G N M E N T

Whereas, We

- Inventor (1) Frank W. Brice Jr. of 152 Woodland Dr., City of Hurley
County of Ulster and State of NY 12443
- Inventor (2) Richard K. Errickson of 33 Beechwood Park, City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (3) Mark S. Farrell of 38 Stirrup Lane, City of Pleasant Valley
County of Dutchess and State of NY 12569
- Inventor (4) Charles W. Gainey Jr. of 21 James St., City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (5) Thomas A. Gregg of 121 Bellevue Rd., City of Highland
County of Ulster and State of NY 12528
- Inventor (6) Carol B. Hernandez of 1 Coachlight Dr., City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (7) Damian L. Osisek of 4605 Salem Dr., City of Vestal
County of Broome and State of NY 13850
- Inventor (8) Donald W. Schmidt of 77 Vincent Lane, City of Stone Ridge
County of Ulster and State of NY 12484

have invented certain improvements in

MEMORY MAPPED INPUT/OUTPUT VIRTUALIZATION

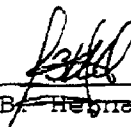
and executed, respectively, a United States patent application therefore on

- (1) _____ (2) _____
- (3) _____ (4) _____
- (5) _____ (6) 11/20/03
- (7) _____ (8) _____

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, and, 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 and Trademarks 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

- (1) at _____
on _____
Frank W. Erice., Jr.
- (2) at _____
on _____
Richard K. Errickson
- (3) at _____
on _____
Mark S. Farrell
- (4) at _____
on _____
Charles W. Gainey, Jr.
- (5) at _____
on _____
Thomas A. Gregg
- (6) at Poughkeepsie, NY
on 11/20/03

Carol B. Hernandez
- (7) at _____
on _____
Damian L. Osisek
- (8) at _____
on _____
Donald W. Schmidt

A S S I G N M E N T

Whereas, We

- Inventor (1) Frank W. Brice Jr. of 152 Woodland Dr., City of Hurley
County of Ulster and State of NY 12443
- Inventor (2) Richard K. Errickson of 33 Beechwood Park, City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (3) Mark S. Farrell of 38 Stirrup Lane, City of Pleasant Valley
County of Dutchess and State of NY 12569
- Inventor (4) Charles W. Gainey Jr. of 21 James St., City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (5) Thomas A. Gregg of 121 Bellevue Rd., City of Highland
County of Ulster and State of NY 12528
- Inventor (6) Carol B. Hernandez of 1 Coachlight Dr., City of Poughkeepsie
County of Dutchess and State of NY 12603
- Inventor (7) Damian L. Osisek of 4605 Salem Dr., City of Vestal
County of Broome and State of NY 13850
- Inventor (8) Donald W. Schmidt of 77 Vincent Lane, City of Stone Ridge
County of Ulster and State of NY 12484

have invented certain improvements in

MEMORY MAPPED INPUT/OUTPUT VIRTUALIZATION

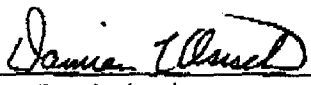
and executed, respectively, a United States patent application therefore on

- (1) _____ (2) _____
- (3) _____ (4) _____
- (5) _____ (6) _____
- (7) November 24, 2003 (8) _____

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, and, 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 and Trademarks 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

- (1) at _____
on _____
Frank W. Brice., Jr.
- (2) at _____
on _____
Richard K. Errickson
- (3) at _____
on _____
Mark S. Farrell
- (4) at _____
on _____
Charles W. Gainey, Jr.
- (5) at _____
on _____
Thomas A. Gregg
- (6) at _____
on _____
Carol B. Hernandez
- (7) at Endicott, NY
on November 24, 2003

Damian L. Osisek
- (8) at _____
on _____
Donald W. Schmidt