

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
P08A/REV03

12-09-2003



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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):

David F. Craddock, Richard K. Errickson, Mark S. Farrell,
Charles W. Gainey, Jr., Thomas A. Gregg, Carol B.
Hernandez and Donald W. Schmidt

11-25-03

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

Name: International Business Machines CorporationAddress: New Orchard RoadCity: ArmonkState/Prov.: NYCountry: USAZIP: 10504

Additional name(s) & address(es)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: 11/20/03;11/20/03;11/20/03;11/20/0311/20/03;11/20/03;11/21/03

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

10723506

If this document is being filed together with a new application, the execution date of the application is: 11/20/03;11/20/03;11/20/03;11/20/03;

Patent Application No.

Filing date

B. Patent No.(s)

11/20/03;11/20/03;11/21/03

12/08/2003 GTDN11 00000062 090463 10723506

01 FC:8021

40.00 DA

Additional numbers

☐ Yes ☒ No

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

Name: Philmore H. Colburn IIRegistration No. 35,101Address: Cantor Colburn LLP55 Griffin Road SouthCity: BloomfieldState/Prov.: CTCountry: USAZIP: 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

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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.

Troy J. LaMontagne, Reg. No. 47,239

Name of Person Signing

Signature

November 25, 2003

Date

6

Total number of pages including cover sheet, attachments, and

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Washington, D.C. 20231

PATENT
REEL: 014755 FRAME: 0411

A S S I G N M E N T

Whereas, We

- Inventor (1) David F. Craddock of 1130 Old Ford Rd., City of New Paltz
County of Ulster and State of NY 12561
- 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) 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 EMULATION

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

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

David F. Craddock
David F. Craddock

(2) at Poughkeepsie, NY
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 POUGHKEEPSIE, NY
or 11/21/2003

Donald W. Schmidt
Donald W. Schmidt

A S S I G N M E N T

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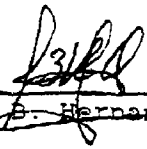
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| (1) _____ | (2) _____ |
| (3) _____ | (4) _____ |
| (5) _____ | (6) <u>11/20/03</u> |
| (7) _____ | |

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;

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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 _____	David F. Craddock
(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 <u>Poughkeepsie, NY</u>	_____
	on <u>11/20/03</u>	 Carol B. Hernandez
(7)	at _____	_____
	on _____	Donald W. Schmidt