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To the Honorable Commissioner of Patents at

1. Name of conveying party(ies):

Charles Edward Boice
James David Greenfield
John Mark Kaczmarczyk
Agnes Yee Ngai
Stephen Philip Pokrinchak

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

Name: International Business Machines Corporation

Internal Address:

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

Execution Date: 2/18/99, 2/16/99, 2/18/99,
2/16/99, 2/16/99Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is 2/16/99, 2/18/99

A. Patent Application No.(s)

EN998082

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kevin P. Radigan, Esq.

Internal Address: Heslin & Rothenberg, P.C.

Street Address: 5 Columbia Circle

03/05/1999 JSHADAZZ 00000022 090457 09255892

01 FC:581 40.00 CH

City: Albany State: NY ZIP: 12203

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:

09-0457 (IBM)

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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.

John R. Pivnichny, Ph.D.

Name of Person Signing

Signature

02/22/1999

Date

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

A S S I G N M E N T

Whereas, we

- | | | |
|-----|--|--|
| (1) | Charles Edward Boice County of Tioga | of Endicott and State of New York |
| (2) | James David Greenfield County of Broome | of Binghamton and State of New York |
| (3) | John Mark Kaczmarczyk County of Broome | of Endicott and State of New York |
| (4) | Agnes Yee Ngai County of Broome | of Endwell and State of New York |

and

- | | | |
|-----|--|-----------------------------------|
| (5) | Stephen Philip Pokrinchak County of Tioga | of Owego and State of New York |
|-----|--|-----------------------------------|

have invented certain improvements in DYNAMICALLY SWITCHING QUANT MATRIX TABLES WITHIN AN MPEG-2 ENCODER and executed a United States Patent Application therefor on

- (1) 2/18/99, (2) 2/16/99, (3) 2/18/99,
(4) 2/16/99 and (5) 2/16/99.

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 the 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 Patents granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I 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 Endicott, NY
City, State
on 2/18/99
- (2) at Endicott, NY
City, State
on 2/16/99
- (3) at Endicott, NY
City, State
on 2/18/99

Charles Edward Boice
Charles Edward Boice

James David Greenfield
James David Greenfield

John Mark Kaczmarczyk
John Mark Kaczmarczyk

(4) at ENDICOTT, N Y
City, State
on 2/16/79

Agnes Y. Ngai
Agnes Yee Ngai

(5) at Endicott, New York
City, State
on 2/16/79

Stephen Philip Pokrinchak
Stephen Philip Pokrinchak