

02-20-2002

Docket No.: END920010080

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp.5/31/2002)
P08/REV03



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U.S. DEPARTMENT OF COMMERCE
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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):

Barbara A. Hall
Agnes Y. Ngai
John M. Sutton
Edward F. Westermann

1-23-02

Additional names(s) of conveying party(ies)

Yes No

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

Name: International Business Machines Corporation

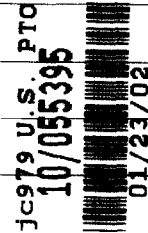
Internal Address: _____

Street Address: New Orchard Road

City: Armonk

State: NY

ZIP: 10504



3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

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

Execution Date: 1/22/02, 1/15/02, 1/15/02
1/15/02

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: 1/15/02, 1/22/02

A. Patent Application No.(s)

10,055,395

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 Farley & Mesiti P.C.

Street Address: 5 Columbia Circle

02/19/2002 RANED1 00000051 090457 10055395

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)

(Attach duplicate copy of this page if paying by deposit account)

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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.

William H. Steinberg, Reg. No. 28,540

1/22/02

Name of Person Signing

Signature

Date

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

2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

PATENT
REEL: 012579 FRAME: 0473

A S S I G N M E N T

Whereas, we

- (1) Barbara A. Hall of Endwell
County of Broome State of New York
- (2) Agnes Y. Ngai of Endwell
County of Broome State of New York
- (3) John M. Sutton of Endicott
County of Broome State of New York

and

- (4) Edward F. Westermann of Endicott
County of Broome State of New York

have invented certain improvements in

MACROBLOCK CODING USING LUMINANCE DATA IN ANALYZING TEMPORAL REDUNDANCY OF A PICTURE, BIASED BY CHROMINANCE DATA

and executed a United States Patent Application therefor on

- (1) JANUARY 22, 2002; (2) JANUARY 15, 2002, (3) JANUARY 15th 2002 and
- (4) JANUARY 15, 2002.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 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 ENDICOTT, NY
on JANUARY 22, 2002
- (2) at ENDICOTT, NY
on JANUARY 15, 2002
- (3) at ENDICOTT, NY
on JANUARY 15, 2002
- (4) at ENDICOTT, NY
on JANUARY 15, 2002

Barbara A. Hall
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Agnes Y. Ngai
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John M. Sutton
John M. Sutton

Edward F. Westermann
Edward F. Westermann