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Docket No.: EN998-031 (11204)

FORM PTO-1595 (Modified)
(Rev. 6-93)
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100823984

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): MRO 8-31-98
Charles E. Boice
John A. Murdock
Agnes Y. Ngai

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: Old Orchard Road

City: Armonk State: NY ZIP: 10504

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

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other Document ID No. 100731980

Execution Date: May 6, 1998 and May 8, 1998

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: 05/06/98 & 05/08/98

A. Patent Application No.(s)	Filing Date	B. Patent No.(s)
<u>09/046,289</u>	<u>March 23, 1998</u>	

Additional numbers attached? Yes No

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

Name: Richard L. Catania Reg. No. 32,608

Internal Address: Scully, Scott, Murphy & Presser

Street Address: 400 Garden City Plaza

City: Garden City State: NY ZIP: 11530

6. Total number of applications and patents involved: **1**

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

Previously paid with the filing of the Recordation Form Cover Sheet dated May 18, 1998.

Authorized to be charged to deposit account

8. Deposit account number: _____

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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.

Leopold Presser August 26, 1998

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **5**

ASSIGNMENT

Whereas, we

Inventor and City	(1) Charles E. Boice County of Tioga	City of Endicott and State of New York
and	(2) John A. Murdock County of Tioga	City of Apalachin and State of New York
and	(3) Agnes Y. Ngai County of Broome	City of Endwell and State of New York

Title have invented certain improvements in
MULTIPLE ENCODER ARCHITECTURE FOR EXTENDED SEARCH

Dates That Inventors Signed the Declaration and have executed, respectively, a United States patent application therefor on

(1) 5/6/98	1998	, and (2) 5/6/98	1998	, and
(3) 5/8/98	1998	, and (4) _____	1998	.

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 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 Patent 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.

City (1) Signed at Endicott, NY
 Date on 5/6/98

Charles E. Boice signature
 (Charles E. Boice) inventor
 First Name Middle Initial Last Name

City (2) Signed at Endicott, NY
 Date on 5/6/98

John A. Murdock signature
 (John A. Murdock) inventor
 First Name Middle Initial Last Name

City (3) Signed at ENDICOTT, NY
 Date on 5/8/98

Agnes Y. Ngai signature
 (Agnes Y. Ngai) inventor
 First Name Middle Initial Last Name