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To the Honorable Commissioner

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**Lawrence D. Bergman, Vittorio Castelli and
Chung-Sheng Li**

Additional name(s) of conveying party(ies) attached?

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

3. Nature of conveyance:

X Assignment ___ Merger

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Execution Dates: **August 3, 2001, August 2, 2001
and August 3, 2001**

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

If this document is being filed together with a new application, the execution date of the application is:

August 3, 2001, August 2, 2001 and August 3, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ___ Yes X No5. Name and address of party to whom
correspondence concerning document should be
mailed:Name: **William E. Lewis**Internal Address: **Ryan, Mason & Lewis, LLP**Street Address: **90 Forest Avenue**City: **Locust Valley** State: **NY** ZIP: **11560**6. Total number of applications and patents
involved: 17. Total Fee (37 CFR 3.41)..... \$ 40.00

___ Enclosed

X Authorized to be charged to deposit account8. Deposit account number **50-0510**

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*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 E. Lewis**

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August 7, 2001

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YOR920000742US1

PATENT
REEL: 012065 FRAME: 0323

ASSIGNMENT

Whereas, we

Inventor
and City

(1) **Lawrence D. Bergman**
County of Westchester

of Mount Kisco
and State of New York

and (2) **Vittorio Castelli**
County of Westchester

of Croton-on-Hudson
and State of New York

and (3) **Chung-Sheng Li**
County of Westchester

of Ossining
and State of New York

have invented certain improvements in

TITLE

**METHODS AND APPARATUS FOR INDEXING DATA IN A DATABASE AND FOR
RETRIEVING DATA FROM A DATABASE IN ACCORDANCE WITH QUERIES
USING EXAMPLE SETS**

and executed a United States patent application therefor on

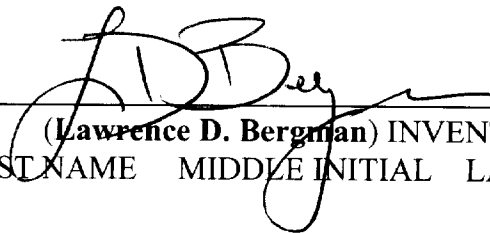
DATE THAT INVENTORS
SIGNED THE
DECLARATION (1) *Aug 3*, 2001 and (2) *Aug 2*, 2001 and (3) *Aug 3*, 2001.

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 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 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.

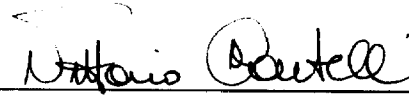
CITY
DATE

Signed
(1) at Hawthorne, NY
on Aug 3, 2001,

 SIGNATURE
(**Lawrence D. Bergman**) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

and Signed
(2) at Yorktown Heights, NY
on Aug 2, 2001,

 SIGNATURE
(**Vittorio Castelli**) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY
DATE

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(3) at Hawthorne, NY
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