

11-21-2000

FOR 1 PTO-1595

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**Yuan-Chi Chang and Chung-Sheng Li**

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 Yes  No

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 Other

Execution Date: **October 13, 2000**

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  No

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:  
**October 13, 2000**

A. Patent Application No.(s) B. Patent No.(s)

**09/690378**

Additional numbers attached?  Yes  No

5. 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: 1

7. Total Fee (37 CFR 3.41)..... \$ 40.00

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William E. Lewis

Reg. No. 39,274

*William E. Lewis*  
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PATENT  
REEL: 011249 FRAME: 0939

U.S. PTO  
09/690378  
10/17/00

**ASSIGNMENT**

Whereas, we

Inventor  
and City

(1) **Yuan-Chi Chang**  
County of Westchester

of White Plains  
and State of New York

and (2) **Chung-Sheng Li**  
County of Westchester

of Ossining  
and State of New York

have invented certain improvements in

TITLE

**METHODS AND APPARATUS FOR PROCESSING RANKED FUZZY CARTESIAN  
QUERIES**

and executed a United States patent application therefor on

DATE THAT (1) *Oct. 13*, 2000 and (2) *Oct. 13* 2000.

INVENTORS

SIGNED THE

DECLARATION

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.

Signed and Sealed

CITY (1) at Hawthorne, NY  
DATE on Oct. 13, 2000,

Yuan-Chi Chang SIGNATURE  
(**Yuan-Chi Chang**) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and Sealed

CITY (2) at Hawthorne, NY  
DATE on Oct 13, 2000,

Chung-Sheng Li SIGNATURE  
(**Chung-Sheng Li**) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

State of New York )ss.:  
County of Westchester )

INVENTOR **Yuan-Chi Chang** On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came  
(1) to me personally known, and known to me to be  
the person described in and who executed the foregoing assignment, and who  
acknowledged to me that execution of the same was a free act and deed.

\_\_\_\_\_  
Notary

State of New York )ss.:  
County of Westchester )

INVENTOR **Chung-Sheng Li** On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came  
(2) to me personally known, and known to me to be  
the person described in and who executed the foregoing assignment, and who  
acknowledged to me that execution of the same was a free act and deed.

\_\_\_\_\_  
Notary

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