

07-18-2001



To the Honorable Commissioner of Patents:

101779157

original documents or copy thereof.

1. Name of conveying party(ies):

06/29/01

Yao Ching Stephen Chen, Yumi Kimura Tsuji, Yun Wang,  
and Guogen Zhang

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

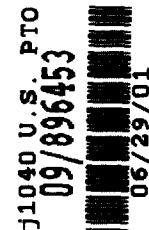
3. Nature of conveyance:

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

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

International Business Machines Corporation  
Armonk, New York 10504

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



Execution Date June 28, 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: June 29, 2001

A. Patent Application No.(s):

09/896453

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

DAVID W. VICTOR, ESQ.  
KONRAD RAYNES & VICTOR LLP  
315 S. Beverly Drive, Suite 210  
Beverly Hills, CA 90212

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41).....\$ 40

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 50-0585

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David W. Victor  
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Signature

June 29, 2001  
Date

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

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to be Assignment

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Docket: STL920000114US1  
0055.0045ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY(1) Yao Ching Stephen Chen  
County of Santa Clara  
(2) Yumi Kimura Tsuji  
County of Santa Clara  
(3) Yun Wang  
County of Santa Clara  
(4) Guogen Zhang  
County of Santa Claraof Saratoga  
and State of California  
of San Jose  
and State of California  
of Saratoga  
and State of California  
of San Jose  
and State of California

have invented certain improvement in

TITLE METHOD, SYSTEM, AND PROGRAM FOR OPTIMIZING THE PROCESSING OF QUERIES INVOLVING  
SET OPERATORSDATES THAT  
INVENTORS  
SIGNED THE  
DECLARATIONand executed, respectively, a United States patent application therefore on  
(1) 6/28, 2001, (2) 6/28, 2001, (3) 6/28, 2001, and (4) 6/29,  
2001

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, I, 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 I 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 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 and sealed

CITY  
DATE(1) at San Jose, CA  
on 6/28, 2001,Yao Ching Stephen Chen  
Yao Ching Stephen ChenSIGNATURE  
INVENTORCITY  
DATE(2) at San Jose, CA  
on 6/28, 2001,Yumi Kimura Tsuji  
Yumi Kimura TsujiSIGNATURE  
INVENTOR

Docket: STL920000114US1  
0055.0045

CITY  
DATE

(3) at San Jose, CA  
on 6/28, 2001,

Yun Wang  
Yun Wang SIGNATURE  
INVENTOR

CITY  
DATE

(4) at San Jose, CA  
on 6/29, 2001,

Guogen Zhang  
Guogen Zhang SIGNATURE  
INVENTOR