

Form PTO-1595  
0056.0028U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeRECORDATION FORM COVER LETTER  
**PATENTS ONLY**

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

## 1. Name of conveying party(ies): Execution Date

1) Marcus Felipe Fontoura. 1) September 23, 2004,  
 2) Ronny Lempel. 2) January 9, 2005.  
 3) Runping Qi, 3) September 23, 2004,  
 4) Jason Yeong Zien 4) September 23, 2004

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

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

International Business Machines Corporation  
 Armonk, New York 10504

## 3. Nature of conveyance:

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

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: \_\_\_\_\_

A. Patent Application No.(s): 10/949,473, filed September 24, 2004

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  
 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: 09-0460

(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 is true and correct and any attached copy is a true copy of the original document.*

David W. Victor  
 Name of Person Signing

Signature

January 10, 2005  
 Date

Total number of pages including cover sheet, attachments and executed assignment: [ 7 ]

OMB No. 0651-0011 (exp. 4/94)

## CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being transmitted by facsimile to Assignment Recordation Services of the U.S. Patent and Trademark Office at 703-306-5995, or being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box Alexandria, VA 22313-1450 on January 10, 2005.

  
 Geoffrey Bell

1/10/05  
 Date

CH \$40.00 090460 10949473

Docket: SVL920040045US1  
0056.0028

ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY

(1) Marcus Felipe Fontoura  
County of Santa Clara

(2) Ronny Lempel

(3) Runping Qi  
County of Santa Clara

(4) Jason Yeong Zien  
County of Santa Clara

of San Jose  
and State of California

of Haifa  
and State of Israel

of Cupertino  
and State of California

of San Jose  
and State of California

have invented certain improvement in

TITLE METHOD, SYSTEM, AND PROGRAM FOR SEARCHING DOCUMENTS FOR RANGES OF NUMERIC  
VALUES

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

and executed, respectively, a United States patent application therefore on

(1) Sept. 23, 2004, (2) \_\_\_\_\_, 2004, (3) \_\_\_\_\_, 2004, and (4) Sept 23,  
2004

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York,  
having a place of business at Armonk, New York 10504, (hereinafter called IBM CORPORATION), 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 CORPORATION, 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  
CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION 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 CORPORATION.

Signed and sealed

CITY  
DATE

(1) at San Jose  
on Sept 23, 2004,

Marcus Felipe Fontoura  
Marcus Felipe Fontoura

SIGNATURE  
INVENTOR

CITY  
DATE

(2) at \_\_\_\_\_  
on \_\_\_\_\_, 2004,

\_\_\_\_\_  
Ronny Lempel

SIGNATURE  
INVENTOR

-09-24 12:50

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1408-463-4393 >> 3105567984

P 12/12

Docket: SVL920040045US1  
0056.0028

CITY  
DATE

(3) at \_\_\_\_\_  
on \_\_\_\_\_, 2004,

Runping Qi

SIGNATURE  
INVENTOR

CITY  
DATE

(4) at San Jose, CA  
on 9/23, 2004,

Jason Yeong Zien

SIGNATURE  
INVENTOR

9. JAN. 2005 17:27

NO. 527 P. 5

0056.0028

ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY(1) Marcus Felipe Fontoura  
County of Santa Clara

(2) Ronny Lempel

(3) Rumping Qi  
County of Santa Clara(4) Jason Yeung Zien  
County of Santa Claraof San Jose  
and State of California  
of Haifa  
and State of Israel  
of Cupertino  
and State of California  
of San Jose  
and State of California

have invented certain improvement in

TITLE METHOD, SYSTEM, AND PROGRAM FOR SEARCHING DOCUMENTS FOR RANGES OF NUMERIC  
VALUES

SERIAL NO. 10/949,473

FILING DATE September 24, 2004

DATES THAT INVENTORS and executed, respectively, a United States patent application therefore on  
SIGNED THE (1) \_\_\_\_\_, 2004, (2) January 9, ~~2004~~, (3) \_\_\_\_\_, 2004, and (4) \_\_\_\_\_  
DECLARATION 2004 2005

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Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM CORPORATION, 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 CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION 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 CORPORATION.

Signed and sealed

CITY  
DATE(1) at \_\_\_\_\_  
on \_\_\_\_\_, 2004,

Marcus Felipe Fontoura

SIGNATURE  
INVENTORCITY  
DATE(2) at Haifa, Israel  
on January 9, ~~2004~~,  
2005

Ronny Lempel

SIGNATURE  
INVENTOR

Page 1 of 2

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NO. 527 P. 6

0056.0028

CITY  
DATE (3) at \_\_\_\_\_  
on \_\_\_\_\_, 2004,

\_\_\_\_\_  
Rumpig Qi SIGNATURE  
INVENTOR

CITY  
DATE (4) at \_\_\_\_\_  
on \_\_\_\_\_, 2004,

\_\_\_\_\_  
Jason Yeong Zien SIGNATURE  
INVENTOR

Docket: SVL920040045US1  
0056.0028

ASSIGNMENT

Whereas, we

INVENTOR AND CITY	(1) Marcus Felipe Fontoura County of Santa Clara (2) Ronny Lempel (3) Runping Qi County of Santa Clara (4) Jason Yeong Zien County of Santa Clara	of San Jose and State of California of Haifa and State of Israel of Cupertino and State of California of San Jose and State of California
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DECLARATION 2004

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Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named,  
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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  
CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION 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 CORPORATION.

Signed and sealed

CITY DATE	(1) at _____ on _____, 2004,	_____ Marcus Felipe Fontoura	SIGNATURE INVENTOR
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CITY DATE	(2) at _____ on _____, 2004,	_____ Ronny Lempel	SIGNATURE INVENTOR
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KONRAD RAYNES VICTOR

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P 7/12

Docket: SVL920040045US1

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CITY  
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(3) at San Jose  
on 9/23/2004, 2004,

  
Runping Qi

SIGNATURE  
INVENTOR

CITY  
DATE

(4) at \_\_\_\_\_  
on \_\_\_\_\_, 2004,

Jason Yeong Zien

SIGNATURE  
INVENTOR