

01-04-1999

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4-94)

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Docket ST9-98-099

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1. Name of conveying party(ies):

- (1) Christina Marie Lee
- (2) Robert William Lyle
- (3) Hsiao Ming Wang

MRD  
12-22-98

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

International Business Machines Corporation  
Armonk, New York 10504

Addition: Name(s) of conveying party(ies) attached?  No

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

10503 U.S. PTO  
09/218544  
12/22/98

3. Nature of conveyance:

Assignment

Execution Date: (1) December 15, 1998, (2) December 16, 1998, (3) December 15, 1998

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: December 15, 1998

A. Patent Application No.(s)

B. Patent No.(s)

09/218544

Additional numbers attached?  No

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

Name: Victor G. Cooper  
Address: GATES & COOPER  
6701 Center Drive West, Suite 1050  
Los Angeles, California 90045

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41): \$40 ✓

8. Please charge any additional fees or credit any overpayments to Deposit Account No. 09-0460. ✓

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December 22, 1998

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( 09/218544 09/218544 09/218544 )

PATENT  
REEL: 9669 FRAME: 0392

Whereas, we

INVENTOR  
AND CITY

(1) Christina Marie Lee  
County of Santa Clara  
and (2) Robert William Lyle  
County of Santa Clara  
and (3) Hsiao Ming Wang  
County of Santa Clara

of San Jose,  
and State of California,  
of San Jose,  
and State of California,  
of San Jose,  
and State of California,

have invented certain improvements in

TITLE

METHOD AND APPARATUS FOR IMPROVING PERFORMANCE IN A MULTIPLE KEY FORMAT INDEX

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

and executed, respectively, a United States patent application therefor on  
(1) 12/15, 1998, (2) 12/16, 1998, (3) 12/15, 1998.

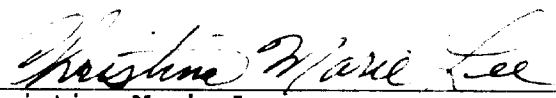
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents 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 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

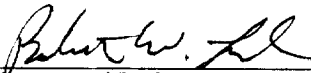
CITY  
DATE

(1) at SAN JOSE  
on 12/15, 1998,

  
Christina Marie Lee SIGNATURE  
INVENTOR

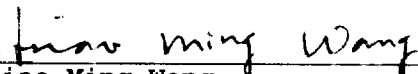
CITY  
DATE

and (2) at San Jose  
on 12/16, 1998,

  
Robert William Lyle SIGNATURE  
INVENTOR

CITY  
DATE

and (3) at San Jose  
on 12/15, 1998,

  
Hsiao Ming Wang SIGNATURE  
INVENTOR