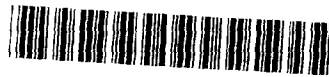


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COVER SHEET  
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J1011 U.S. PTO  
11266/60  
09/932111  
08/16/01

1. Name of conveying party(ies):

Letitia K. Lee  
Patrick Siu-Nang See

08/16/01

Name and address of receiving party(ies):

Name: **International Business Machines Corporation**

Street: **New Orchard Road**

City: **Armonk** State: **NY** ZIP: **10504**

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

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

3. Nature of conveyance:  
 Assignment

Execution Date(s): 8/16/2001; 8/16/2001

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

09/932111

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

8/16/2001; 8/16/2001

A. Patent Application No(s):

B. Patent No.(s):

Additional numbers attached?  Yes  No

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

Name: **IBM Corporation**  
Internal Address: **Intellectual Property Law, J46/G4**  
Street Address: **555 Bailey Avenue**  
City: **San Jose** State: **CA** ZIP: **95141**

6. Total number of applications and patents involved: **ONE**

7. Total fee (37 CFR 3.41).....**\$40.00**  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit Account Number: **09-0460**

08/28/2001 6TON11 00000138 090460 09932111  
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9. Statement and signature:

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.

Attorney/Agent: Gregory M. Plow  
Gregory M. Plow, Reg.No. 43,005

Date: 8/16/2001

Total number of pages including cover sheet, attachment(s), and document:

# ASSIGNMENT

Whereas I/we

INVENTOR/CITY  
COUNTY/STATE

(1) **Letitia K. Lee**  
County of **Santa Clara**

City of **San Jose**  
State of **California**

(2) **Patrick Siu-Nang See**  
County of **Santa Clara**

City of **Milpitas**  
State of **California**

have invented certain improvements in

TITLE

**Dual Mode Data Field**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT  
INVENTOR(S)  
SIGNED THE  
DECLARATION

(1) 8/16/2001 (2) 8/16/2001

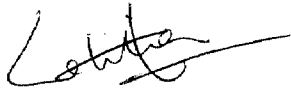
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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

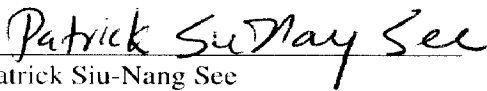
CITY  
DATE

(1) at San Jose  
on 8/16/2001

  
\_\_\_\_\_  
Letitia K. Lee

CITY  
DATE

(2) at San Jose  
on 8/16/2001

  
\_\_\_\_\_  
Patrick Siu-Nang See