

11-27-1998



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

1. Name of conveying party(ies):

Scott David Mastie and Ming Xie

*MLD
11-16-98*

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

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date October 30, 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: _____

A. Patent Application No.(s): 09/140,482

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
1180 S. Beverly Drive, Suite 511
Los Angeles, CA 90035

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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9. Statement and signature.

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David W. Victor
Name of Person Signing

[Signature]
Signature

November 9, 1998
Date

Total number of pages including cover sheet, attachments and document: [1]

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

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ASSIGNMENT

WHEREAS, we, Scott David Mastie, residing at 2131 Rockspray Court, Longmont, CO 80304 and Ming Xie, 2291 Dailey Street, Superior, CO 80027, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States concurrently herewith, which is entitled MULTIPLE INSERTION POINT QUEUE TO ORDER AND SELECT ELEMENTS TO BE PROCESSED.

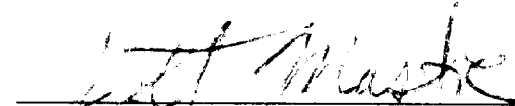
AND WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at New Orchard Road, Armonk, New York 10504 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

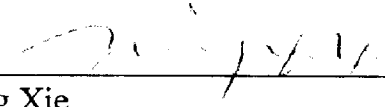
AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day
of September, 19 98.



Scott David Mastie

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day
of October, 19 98.



Ming Xie