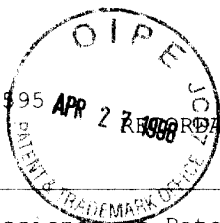


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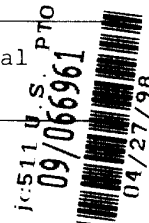
To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Alexander E. Okpiz
Thomas A. Petersen
Amy M. Tuvell

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

International Business
Machines Corporation
Old Orchard Road
Armonk, New York 10504



3. Nature of conveyance:

X Assignment

Execution Date: 4/27/98

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

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A. Patent Application No.(s)

B. Patent No.(s)

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

Anthony V. S. England
IBM Corporation
Intellectual Property Law
Internal Zip 4054
11400 Burnet Road
Austin, TX 78758
(512) 838-6640

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

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PATENT
REEL: 9153 FRAME: 0482

A S S I G N M E N T

Whereas, we,

- (1) Alexander E. Okpisz, of Austin,
County of Travis and state of Texas,
- (2) Thomas A. Petersen, of Austin,
County of Travis and state of Texas,
- (3) Amy M. Tuvell, of Austin,
County of Travis and state of Texas,

have invented certain improvements in

SYSTEM AND METHOD FOR INTERLOCKING BARRIER OPERATIONS IN LOAD AND STORE QUEUES

and executed a United States patent application therefor on *(date Inventor signed Declaration)*

- (1) 4/13/98, (2) 4/13/98, and
- (3) 4/13/98

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 invention 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.

(1) Signed at Austin on 4/13, 1998.

Alexander E. Okpiz
Alexander E. Okpiz

(2) Signed at Austin on 4/13, 1998.

Thomas A. Petersen
Thomas A. Petersen

(3) Signed at Austin on April 9, 1998.

Amy M. Tuvell
Amy M. Tuvell

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207:7047-P208US