

07-23-1999

In place of Form PTO-15

Docket No. AT9-98-379

3 SHEET

7-15-99



101099024

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

1. Name of conveying party(ies):

Peichun Peter Liu
Francis Patrick O'Connell

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

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

3. Nature of conveyance:

X Assignment

Execution Date: July 7, 1999; July 7, 1999

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 July 7, 1999; July 7, 1999

A. Patent Application No.(s)

B. Patent No.(s)

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

Anthony 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

X Authorized to be charged to deposit account

8. Deposit IBM Corporation account number:

09-0447

DO NOT USE THIS SPACE

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.

Marty Bower

Name of Person Signing

For Felsman, Bradley, Vaden, Gunter & Dillon

Signature

Date

07/23/1999 DNGUYEN 00000018 090447 09354127

Total number of pages including cover sheet: 2

01 FC:581

40.00 CH

1c549 U.S. PTO
09/354127
07/15/99

A S S I G N M E N T

Whereas, we,

(1) Peichun P. Liu
County of Travis

of Austin,
and State of Texas,

and

(2) Francis P. O'Connell
County of Travis

of Austin,
and State of Texas,

have invented certain improvements in

METHOD AND APPARATUS FOR MANAGING CACHE LINE REPLACEMENT WITHIN A COMPUTER SYSTEM

and executed, respectively, a United States patent application therefor on
(Dates ~~Inventors~~ Signed Declaration) (1) July 7, 1999, and
(2) July 7, 1999.

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 7/7, 1999.

Peichun P. Liu
Peichun P. Liu

and (2) Signed at Austin on 7/7, 1999

Francis P. O'Connell
Francis P. O'Connell