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05-03-1999



101025654

To the Honorable Commissioner of Patents and

nal documents or copy thereof.

1. Name of conveying party(ies):

List inventor(s) alphabetically

Carey, James E.  
Sanders, Philip J.

Additional names of conveying party(ies) attached?

yes  no

3. Nature of Conveyance

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: (1) April 16, 1999 and  
(2) April 19, 1999.

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

Name: International Business Machines Corporation

Internal Address: \_\_\_\_\_

Street Address: New Orchard Road

City Armonk

State New York Zip 10504

Additional name(s) & address(es) attached?  yes  no

Jc618 U.S. PTO  
09/29/98  
04/22/99

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

TITLE: **USE OF ADAPTER KEY TO INCREASE PERFORMANCE WHEN UPDATING A VALUE REFERENCED BY A DATA ACCESS OBJECT**

If this document is being filed together with a new application, the execution date of the application is (1) April 16, 1999 and (2) April 19, 1999.

A. Patent Application No(s).

09/296988

B. Patent No(s).

Additional numbers attached?  Yes  No

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

S. Jared Pitts  
Schmeiser, Olsen & Watts  
20 West First Street  
Mesa, Arizona 85201

6. Total number of applications and patents involved: 1

7. Total fee (37 CVF 3.41): \$ 40.00

- Enclosed
- Authorized to be charged to deposit account
  - Total fee due
  - Any deficiencies in the enclosed fees

8. Deposit account number:

09-0465

(Attach duplicate copy of this page if paying by deposit account)

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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.

Name of Person Signing

S. Jared Pitts  
Reg. No. 38, 579

Signature

Date

22 April 1999

Total number of pages comprising cover sheet: 1

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**ASSIGNMENT**

Whereas, we

- |     |                   |   |
|-----|-------------------|---|
| (1) | James E. Carey    | City of Rochester<br>and State of Minnesota |
| (2) | Philip J. Sanders | City of Rochester<br>and State of Minnesota |

have invented certain improvements in an:

**USE OF ADAPTER KEY TO INCREASE PERFORMANCE WHEN UPDATING  
A VALUE REFERENCED BY A DATA ACCESS OBJECT**

and executed, respectively, a United States patent application therefor on

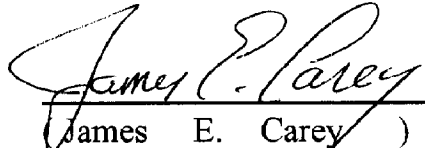
(1) April 16, 1999 and (2) April 19, 1999.

And 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;

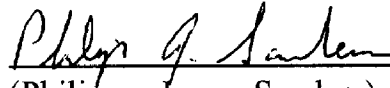
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, We, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States application, and We request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications 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) at Rochester, MN  
on April 16, 1999

 Signature  
(James E. Carey) Inventor  
First Name Middle Last Name

(2) at Rochester, MN  
on April 19, 1999

 Signature  
(Philip J. Sanders) Inventor  
First Name Middle Last Name