

04-17-2000

FORM PTO-1595

RE

U.S. DEPARTMENT OF COMMERCE

(Rev. 6-93)

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

Docket No. ST9-99-176

UPO 3-20-00



101321695

Patent and Trademark Office

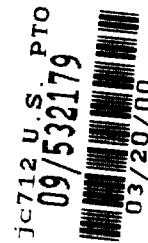
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1. Name of conveying party(ies):

Michael James Carey
Gerald George Kiernan

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

International Business Machines Corporation
New Orchard Street
Armonk, NY 10504



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

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
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Execution Date: March 15, 2000

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: March 15, 2000

A. Patent Application No.(s)

B. Patent No.(s)

09/532179

Additional numbers attached? Yes No

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

Name: Sandra M. Parker, Esq.
Address: OPPENHEIMER WOLFF & DONNELLY LLP
2029 Century Park East, 38th Floor
Los Angeles, CA 90067-3024

6. Total number of applications and patents involved: 1

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

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LA: 221874 v01 03/17/2000

PATENT
REEL: 010687 FRAME: 0210

ASSIGNMENT

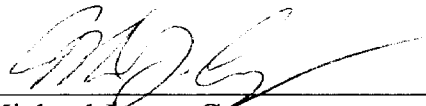
Whereas, we, Michael James Carey of San Jose, County of Santa Clara and State of California and Gerald George Kiernan of San Jose, County of Santa Clara and State of California, have invented certain improvements in QUERY OPTIMIZATION USING A MULTI-LAYERED OBJECT CACHE and executed, respectively, a United States patent application therefor on ~~March 15~~ 3/15/2000 and March 15, 2000,

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 inventions 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.


Signed and sealed

at SAN JOSE (CITY)
on 3/15, 2000



Michael James Carey

at SAN JOSE (CITY)
on March 15, 19 2000



Gerald George Kiernan