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PATENTS ONLY

DOCKET: TUC920030007US

93 U.S. PTO  
10/422500  
04/23/03

US Department of Commerce  
Patent & Trademark Office

To the Honorable Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): \*  
**KENNETH WAYNE BOYD** \*  
**ROBERT CHARLES FRISKE** \*  
**ROBERT ALLEN HOOD** \*  
**MATTHEW JOSEPH KALOS** \*  
**ROBERT FREDERIC KERN** \*  
*4-23-03* \*  
Additional name(s) of conveying party(ies) attached  Yes  No \*

2. Name and address of receiving party(ies): \*  
Name: **International Business** \*  
**Machines Corporation** \*  
Street Address: **New Orchard Road** \*  
City: **Armonk** State: **NY** ZIP: **10504** \*  
Additional name(s) & address(es) attached?  Yes  No \*

3. Nature of conveyance:  
XX Assignment Execution Date: 3/31/2003, 4/17/2003, 4/15/2003, 4/10/2003, 4/10/2003

4. Application number(s) or patent number(s): 10422500  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
A. Patent Application No.(s) \* B. Patent No.(s) \*  
Additional numbers attached?  Yes  No \*

5. Name and address of party to whom correspondence concerning document should be mailed: \*  
Name: **Jean M. Barkley** \*  
Address: **IBM Corporation** \*  
**Intellectual Property Law** \*  
**9000 S. Rita Road (90A/9032)\*** \*  
**Tucson, Arizona 85744** \*  
**05/01/2003 TBIAZI 00000030 090449 10422500** \*  
**01 FC:8021 40.00 CH** \*

6. Total Number of applications and patents involved: **One** \*  
7. Total fee (37 CFR 3.41).....\$ **40.00** \*  
 Enclosed \*  
XX Authorized to be charged to deposit account \*  
(Duplicate Copy Attached) \*

8. Deposit Account Number: **09-0449** \*

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.

Jean M. Barkley 4/21/03  
Date

Total number of pages including cover sheet, attachments, and document: /-3-/

# ASSIGNMENT

Docket No. TUC920030007US1

Page 1 of 2

Whereas, we

INVENTOR  
AND CITY

(1) **KENNETH WAYNE BOYD**  
County of **Pima**

of **Tucson,**  
and State of **Arizona,**

(2) **ROBERT CHARLES FRISKE**  
County of **Livingston**

of **Milford,**  
and State of **Michigan,**

(3) **ROBERT ALLEN HOOD**  
County of **Palm Beach**

of **Boca Raton,**  
and State of **Florida,**

(4) **MATTHEW JOSEPH KALOS**  
County of **Pima**

of **Tucson,**  
and State of **Arizona,**

(5) **ROBERT FREDERIC KERN**  
County of **Pima**

of **Tucson,**  
and State of **Arizona,**

have invented certain improvements in

TITLE

**STORAGE SYSTEM CLASS DISTINCTION CUES FOR RUN-TIME DATA MANAGEMENT**

DATE THAT  
INVENTOR  
SIGNED THE  
DECLARATION

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

(1) 3/31, 2003 (2) 4/17, 2003  
(3) 4/15, 2003 (4) 4/10/2003, 2003  
(5) 4/10, 2003

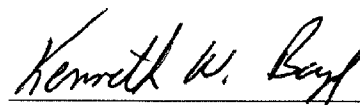
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

CITY  
DATE

(1) at **Tucson, AZ**  
on 3/31/03, 2003,

  
\_\_\_\_\_  
**KENNETH WAYNE BOYD**

SIGNATURE  
INVENTOR

**PATENT**  
**REEL: 014009 FRAME: 0658**

CITY (2) at Milford, MI  
DATE on 4/17, 2003,

Robert Charles Friske SIGNATURE  
ROBERT CHARLES FRISKE INVENTOR

CITY (3) at Boca Raton, FL  
DATE on 4/15, 2003

Robert Allen Hood SIGNATURE  
ROBERT ALLEN HOOD INVENTOR

CITY (4) at Tucson, AZ  
DATE on 4/10/2003, 2003

Matthew Joseph Kalos SIGNATURE  
MATTHEW JOSEPH KALOS INVENTOR

CITY (5) at Tucson, AZ  
DATE on 4/10/, 2003

Robert Frederic Kern SIGNATURE  
ROBERT FREDERIC KERN INVENTOR