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Docket No. AUS920020364US1

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RECORDATION FORM COVER SHEET  
PATENTS

12/05/02

JCS973 U.S. PTO  
10/313683  
12/05/02

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

## 1. Name of conveying party(ies):

Peter H. Hofstee  
Marc C. Necker

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

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

## 3. Nature of conveyance:

☒ Assignment

Execution Date: 11-26-02, 11-22-02

## 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

11-26-02, 11-22-02

A. Patent Application No.(s)

B. Patent No.(s)

5. Name and address of party to whom  
correspondence concerning document  
should be mailed:IBM Corporation  
Robert M Carwell  
Intellectual Property Law  
11400 Burnet Road  
Austin, TX 78758  
(512) 823-10176. Total number of applications  
and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00☒ Authorized to be charged to deposit account

## 8. Deposit account number:

09-0447

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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.

Robert M Carwell

Name of Person Signing

Robert M Carwell

Signature

12/4/02

Date

Total number of pages including cover sheet: 5

12/18/2002 GTOM11 00000021 090447 10313683

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PATENT  
REEL: 013572 FRAME: 0177

# ASSIGNMENT

Whereas, we,

(1) H. Peter ~~H.~~ Hofstee  
County of Travis

of 704 Pressler Street, Austin, Texas 78703  
and State of Texas

and

(2) Marc C. Necker

of Sulzauerstr. 15, 70563 Stuttgart, Germany

have invented certain improvement in

## IMPROVING PERFORMANCE AND MEMORY BANDWIDTH UTILIZATION FOR TREE SEARCHES USING TREE FRAGMENTATION

and executed a United States patent application therefore on (1) Nov 26, 2002; and  
(2) \_\_\_\_\_, 2002.

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 therefore;

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 invention 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.

(1) Signed at Austin on Nov 26, 2002.

H. Peter ~~H.~~ Hofstee  
H. Peter ~~H.~~ Hofstee

(2) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2002.

\_\_\_\_\_  
Marc C. Necker

IBM DOCKET NO. AUS920020364US1

**ASSIGNMENT**

Whereas, we,

(1) Peter H. Hofstee of 704 Pressler Street, Austin, Texas 78703  
County of Travis and State of Texas

and

(2) Marc C. Necker of Sulzauerstr. 15, 70563 Stuttgart, Germany

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**IMPROVING PERFORMANCE AND MEMORY BANDWIDTH  
UTILIZATION FOR TREE SEARCHES USING TREE FRAGMENTATION**

and executed a United States patent application therefore on (1) \_\_\_\_\_, 2002; and  
(2) November 22<sup>nd</sup>, 2002.

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 therefore;

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 invention 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

(1) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2002.

\_\_\_\_\_  
Peter H. Hofstee

IBM DOCKET NO. AUS920020364US1

(2) Signed at Stuttgart, Germany on November 22 . 2002.

Marc Necker  
Marc C. Necker

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