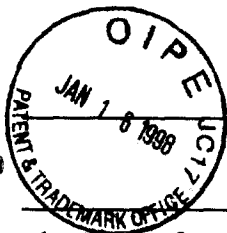


06-18-1999

Atty. Docket No. YO997-135
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To: **101069478**

Please record the attached original documents or copy thereof.

Patents and Trademarks:

89-97-1 D&W

1. Name of conveying party(ies) Wei Hwang Walter H. Henkels R. V. Joshi A. T. Williams Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: IBM Corporation Address: Old Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Execution Date(s): <u>09/24/97 09/23/97</u>	Patent Application number(s) S.N. 08/898,826 Execution Date(s): <u>09/24/97 09/23/97</u>
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Robert P. Tassinari, Jr. Address: IBM Corporation Intellectual Property Law P.O. Box 218 Yorktown Heights, NY 10598	6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Charge to Deposit Account No.: <u>09-0468</u> (A duplicate copy of this sheet is enclosed)

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of original document.

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Assignment

Whereas, we

Inventor
and City

- (1) Walter H. Henkels of Putnam Valley
County of Putnam and State of New York
- and (2) Wei Hwang of Armonk
County of Westchester and State of New York
- and (3) Rajiv V. Joshi of Yorktown Heights,
County of Westchester and State of New York
- and (4) Albert T. Williams of Austin
County of Travis and State of Texas

have invented certain improvements in

TITLE DESIGN OF PROVABLY CORRECT STORAGE ARRAYS

and executed, respectively, a United States patent application therefor on
 DATES THAT (1) September 24, 1997 and (2) September 24, 1997 and (3) September 24, 1997
 INVENTORS (4) September 23, 1997.

SIGNED THE
DECLARATION

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
 CITY (1) at Yorktown Heights Lois E. Henkels SIGNATURE
 DATE on September 24, 1997, (Walter H. Henkels) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Lois E. Henkels is signing as legal representative of Walter H. Henkels, deceased inventor.

Signed and sealed
 CITY and (2) at Yorktown Heights Wei Hwang SIGNATURE
 DATE on September 24, 1997, (Wei Hwang) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (3) at Yorktown Heights Rajiv v. Joshi SIGNATURE
 DATE on September 24, 1997, (Rajiv V. Joshi) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
 CITY and (4) at Austin Albert T. Williams SIGNATURE
 DATE on September 23, 1997, (Albert T. Williams) INVENTOR
 FIRST NAME MIDDLE INITIAL LAST NAME

State of New York) SS.:
County of Westchester)

INVENTOR (1) On this 24th day of September 1997, before me personally came Lois E. Henkels as legal representative of Walter H. Henkels, deceased inventor to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and she acknowledged to me that she executed the same as her free act and deed.

Emily S. Forbes
EMILY S. FORBES Notary
Notary Public, State of New York
No. 01FO4935185
Qualified in Westchester County
Commission Expires July 25, 1998

State of New York) SS.:
County of Westchester)

INVENTOR (2) On this _____ day of September 1997, before me personally came Wei Hwang to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Emily S. Forbes
EMILY S. FORBES Notary
Notary Public, State of New York
No. 01FO4935185
Qualified in Westchester County
Commission Expires July 25, 1998

State of New York) SS.:
County of Westchester)

INVENTOR (3) On this 24th day of September 1997, before me personally came Rajiv V. Joshi to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Emily S. Forbes
EMILY S. FORBES Notary
Notary Public, State of New York
No. 01FO4935185
Qualified in Westchester County
Commission Expires July 25, 1998

State of Texas) SS.:
County of Tarrant)

INVENTOR (4) On this 23rd day of September 1997, before me personally came Albert T. Williams to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Cheryll L. Work

