R FORM PTO-1595 OMB No. 0651-0011 (exp. 4/94) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof. 2. Name and address of receiving party(ies): <u>Date</u> Name: International Business Machines Corporation DAVID ARNOLD LUICK 10/10/2001 Internal Address: Additional name(s) of conveying party(ies) attached? __ Yes __X No 3. Nature of conveyance: Street Address: New Orchard Road X Assignment __ Merger _ Security Agreement ____State: NY __Zip: 10504 __ Change of Name City: Armonk Additional name(s) & address(es) attached? ____ Yes X No __ Other_ 4. Application number(s) or registration number(s): If this document is being filed together with a new application, the execution date of the application is: October 11, 2001 (Date of Filing) A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: Name: Gero G. McClellan 7. Total fee (37 C.F.R. 3.41)-----\$ 40.00 Internal Address: Moser, Patterson & Sheridan, LLP __ Enclosed X Authorized to be charged to deposit account 09-0465 Street Address: 3040 Post Oak Boulevard, Suite 1500 8. Deposit account number: 09-0465 City: Houston State: TX Zip: 77056 DO NOT USE THIS SPACE 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

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Gero G. McClellan

Name of Person Signing

document.

PATENT

Total number of pages including cover sheet, attachments and document: 2

REEL: 012264 FRAME: 0518

October 11, 2001

Date

ASSIGNMENT

Whereas, I

(1) DAVID ARNOLD LUICK, County of Olmsted,

City of Rochester, and State of Minnesota,

have invented certain improvements in

INSTRUCTION PAIR DETECTION AND PSEUDO PORTS FOR CACHE ARRAY

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

Dates

Inventors (1) October 10 , 2001.

Signed

Declaration

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 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 invention 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

Inventor (1)

at Rochester, MN

DAVID ARNOLD LUICK . 2001.

Inventor

Signature

RECORDED: 10/11/2001

PATENT REEL: 012264 FRAME: 0519