1-31-92

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Docket No. ROC920030211US1

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.	
Name of conveying party(ies): (1) Cary L. Bates (2) Paul W. Buenger	Name and address of receiving party(ies): Name: International Business Machines Corporation
Additional names of conveying party(ies) attached? □ yes ፡፡ no	Internal Address:
3. Nature of Conveyance	Street Address: New Orchard Road City Armonk State New York Zip 10504 Additional name(s) & address(es) attached? □ yes ∞ no
Execution Date: (1) November 21, 2003 (2) December 16, 2003	
Application number(s) or patent number(s): TITLE: Method and Apparatus for Efficiently Developing Encoded Instructions by Tracking Multiple Unverified Instances of Repetitive Code Segments If this document is being filed together with a new application, the execution date of the application is	
	B. Patent No(s).
Docket ROC920030211US1 Serial No. 10/720,961	
Additional numbers attached? ☐ Yes ☑ No	
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:
Steven W. Roth IBM Corporation - Dept. 917 3605 Highway 52 North Rochester, MN 55901	7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account Total fee due Any deficiencies in the enclosed fees 8. Deposit account number: 09-0465 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
9. Statement and signature	
To the best of my knowledge and bellef, the foregoing information is true and correct and any attached copy is a true copy of the original	
Steven W. Roth, Reg. No. 34,712 Name of Person Signing Name of Person Signing Name of Person Signing Signature Total number of pages comprising cover sheet: 1	

PATENT REEL: 014391 FRAME: 0457

Docket No.: ROC920030211US1

ASSIGNMENT

Whereas, we

(1) Cary L. Bates County of Olmsted

City of Rochester and State of Minnesota,

(2) Paul W. Buenger County of Olmsted Eau Claire

City of Rochester-Eau Claire and State of Minnesota, Wisconsin,

have invented certain improvements in

METHOD AND APPARATUS FOR EFFICIENTLY DEVELOPING ENCODED INSTRUCTIONS BY TRACKING MULTIPLE UNVERIFIED INSTANCES OF REPETITIVE CODE SEGMENTS

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

Dates

Inventors

(1) Nov. 21

, 2003, and

(2) December 16

. 2003.

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 at Rochester, MN, USA (1) Eau Claire. Inventor (2) 2003.

Inventor Signature

Signature

First Name

Initial

Last Name

Inventor

First Name Initial

Last Name

PATENT

REEL: 014391, FRAME: 0458 **

RECORDED: 03/03/2004