

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): PHILIP GEORGE EMMA ALLAN MARK HARTSTEIN THOMAS ROBERTS PUZAK MOINUDDIN KHALIL AHMED QURESHI 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: INTERNATIONAL BUSINESS MACHINES CORPORATION Internal Address: _____ _____ _____ Street Address: _____ _____ City: ARMONK State: NY Zip: 10504 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ SEPTMBER 22, 2004, SEPTMBER 27, 2004 & Execution Date: SEPTMBER 24, 2004					
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: _____ A. Patent Application No.(s) 10/955,780 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: KEUSEY, TUTUNJIAN & BITETTO, P.C. Internal Address: _____ SUITE 128 _____ Street Address: 14 VANDERVENTER AVENUE _____ PORT WASHINGTON City: _____ State: NY Zip: 11050		6. Total number of applications and patents involved: <input checked="" type="checkbox"/> 1 7. Total fee (37 CFR 3.41).....\$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 50-0510 (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 belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. James J. Bitetto Name of Person Signing Signature 12/18/04 Date Total number of pages including cover sheet, attachments, and documents: <input checked="" type="checkbox"/> 6					

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

CH \$40.00 500510 10955780

Assignment

Whereas, I/we

INVENTOR AND CITY	(1) Philip George Emma County of Fairfield	of Danbury and State of Connecticut
INVENTOR AND CITY	(2) Allan Mark Hartstein County of Westchester	of Chappaqua and State of New York
INVENTOR AND CITY	(3) Thomas Roberts Puzak County of Fairfield	of Ridgefield and State of Connecticut
INVENTOR AND CITY	(4) Moinuddin Khalil Ahmed Qureshi County of Travis	of Austin and State of Texas

have invented certain improvements in


**TITLE APPARATUS AND METHOD FOR FILTERING UNUSED SUB-BLOCKS IN
CACHE MEMORIES**

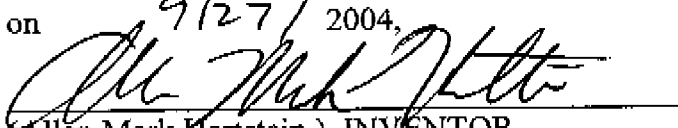
DATES THAT and executed, respectively, a United States patent application
INVENTORS therefor on (1) 9/22/04 , 2004; (2) 9/27 / , 2004;
SIGNED THE
DECLARATION (3) 9/27 , 2004; and (4) 24th Sept , 2004;

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 applications 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 AND (1) at Yorktown Heights, NY
DATE on 9/22 2004
SIGNATURE 
(Philip George Emma) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND (2) at Yorktown Heights, NY
DATE on 9/27 2004
SIGNATURE 
(Allan Mark Hartstein) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND (3) at _____
DATE on _____ 2004,
SIGNATURE _____
(Thomas Roberts Puzak) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

(IBM Docket) YOR920040402 US1 (163-30)

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 applications 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 AND

(1) at Yellowstone, WY

DATE

on Sept 27 2004,

SIGNATURE

(Philip George Emma) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND

(2) at _____

DATE

on _____ 2004,

SIGNATURE

(Allan Mark Hartstein) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND

(3) at Old faithful Inn
Yellowstone WY 46901

DATE


on Sept 27 2004,

SIGNATURE

Thomas R. Puzak
(Thomas Roberts Puzak) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND (4) at AUSTIN (TEXAS)

DATE on 24TH September 2004,

SIGNATURE 
(Moynuddin Khalil Ahmed Qureshi) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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