

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Paul W. Coteus</td><td>02/07/2008</td></tr><tr><td>Luis A. Lastras-Montano</td><td>02/07/2008</td></tr><tr><td>Warren Edward Maule</td><td>03/05/2008</td></tr><tr><td>Barry M. Trager</td><td>02/11/2008</td></tr><tr><td>Shmuel Winograd</td><td>02/07/2008</td></tr></tbody></table>	Name	Execution Date	Paul W. Coteus	02/07/2008	Luis A. Lastras-Montano	02/07/2008	Warren Edward Maule	03/05/2008	Barry M. Trager	02/11/2008	Shmuel Winograd	02/07/2008	
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Barry M. Trager	02/11/2008												
Shmuel Winograd	02/07/2008												
RECEIVING PARTY DATA													
Name:	International Business Machines Corporation												
Street Address:	New Orchard Road												
City:	Armonk												
State/Country:	NEW YORK												
Postal Code:	10504												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12023408</td></tr></tbody></table>	Property Type	Number	Application Number:	12023408									
Property Type	Number												
Application Number:	12023408												
CORRESPONDENCE DATA													
Fax Number:	(845)432-9601												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	845-433-1174												
Email:	tonicat@us.ibm.com												
Correspondent Name:	Lynn L. Augspurger												
Address Line 1:	2455 South Road												
Address Line 2:	MS P386												
Address Line 4:	Poughkeepsie, NEW YORK 12601												
ATTORNEY DOCKET NUMBER:	POU920080030US1												
NAME OF SUBMITTER:	Lynn L. Augspurger												

CH \$40.00 12023408

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PATENT  
REEL: 020648 FRAME: 0026

**Total Attachments: 3**

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ASSIGNMENT

Whereas, we

INVENTOR AND CITY	(1) Paul W. Coleus County of Westchester	of Yorktown Heights State of New York
	(2) Luis A. Lastras-Montano County of Westchester	of Cortlandt Manor State of New York
	(3) Warren Edward Maule County of Williamson	of Cedar Park State of Texas
	(4) Barry M. Trager County of Westchester	of Yorktown Heights State of New York
	(5) Shmuel Winograd County of Westchester	of Scarsdale State of New York

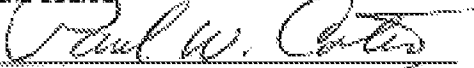
have invented certain improvements in

TITLE                    SYSTEM FOR ERROR CONTROL CODING FOR MEMORIES OF DIFFERENT TYPES AND  
ASSOCIATED METHODS

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 in all 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

  
\_\_\_\_\_  
Paul W. Coleus

on Feb 7, 2008

  
\_\_\_\_\_  
Luis A. Lastras-Montano

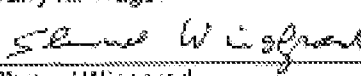
on Feb 7, 2008

\_\_\_\_\_  
Warren Edward Maule

on \_\_\_\_\_, 2008

\_\_\_\_\_  
Barry M. Trager

on \_\_\_\_\_, 2008

  
\_\_\_\_\_  
Shmuel Winograd

on Feb. 7, 2008

ASSIGNMENT

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	(3) Warren Edward Maule County of Williamson	of Cedar Park State of Texas
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Signed and sealed

_____	on _____, 2008
Paul W. Coteus	
_____	on _____, 2008
Luis A. Lastras-Montano	
_____	on _____, 2008
Warren Edward Maule	
<i>Barry M. Trager</i>	on <u>Feb. 11</u> , 2008
Barry M. Trager	
_____	on _____, 2008
Shmuel Winograd	

Docket No. POJ920090030US1

ASSIGNMENT

INVENTOR  
AND CITY

Whereas, we

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County of Westchester  
of Yorktown Heights  
State of New York

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State of Texas

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State of New York

(5) Samuel Winograd  
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Signed and sealed

\_\_\_\_\_  
Paul W. Coleus

on \_\_\_\_\_, 2008

\_\_\_\_\_  
Luis A. Lastras-Montano

on \_\_\_\_\_, 2008

\_\_\_\_\_  
Warren Edward Mauleon March '5, 2008\_\_\_\_\_  
Barry M. Trager

on \_\_\_\_\_, 2008

\_\_\_\_\_  
Samuel Winograd

on \_\_\_\_\_, 2008

PATENT

RECORDED: 03/13/2008

REEL: 020648 FRAME: 0030