

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel F. Casper	01/16/2008
John R. Flanagan	01/11/2008
Roger G. Hathorn	01/14/2008
Catherine C. Huang	01/11/2008
Matthew J. Kalos	01/14/2008

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

Property Type	Number
Application Number:	12030938

CORRESPONDENCE DATA

Fax Number: (860)286-0115  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
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Email: syopp@cantorcolburn.com  
Correspondent Name: CANTOR COLBURN LLP  
Address Line 1: 20 Church Street  
Address Line 2: 22nd Floor  
Address Line 4: Hartford, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER: POU920070218US1

NAME OF SUBMITTER: Eric J. Baron

PATENT

500463834

REEL: 020508 FRAME: 0872

CH \$40.00 12030938

Total Attachments: 3

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**PATENT**

**REEL: 020508 FRAME: 0873**

ASSIGNMENT

Docket No. POU920070218US1

INVENTORS  
AND CITY

Whereas, we

(1) Daniel F. Casper  
County of Dutchess  
and (2) John R. Flanagan  
County of Dutchess  
and (3) Roger G. Hathorn  
County of Pima  
and (4) Catherine C. Huang  
County of Dutchess  
and (5) Matthew J. Kalos  
County of Pima

of Poughkeepsie,  
and State of NY 12603;  
of Poughkeepsie,  
and State of NY 12603,  
of Tucson,  
and State of AZ 85750  
of Poughkeepsie  
and State of NY 12603,  
of Tucson,  
and State of AZ 85718.

have invented certain improvements in

## MULTIPLE CRC INSERTION IN AN OUTPUT DATA STREAM

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

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

(1) 1-16, 2008, (2) 1-11, 2008,  
(3) 1-11, 2008, (4) 1-11, 2008,  
(5) 1-11, 2008.

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

Daniel F. Casper  
Daniel F. Casper

on 1-16, 2008

John R. Flanagan  
John R. Flanagan

on 1-11, 2008

Roger G. Hathorn  
Roger G. Hathorn

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

Catherine C. Huang  
Catherine C. Huang

on 1-11, 2008

Matthew J. Kalos  
Matthew J. Kalos

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

PATENT

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Docket No. POU920070218US1

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Signed and sealed

\_\_\_\_\_  
Daniel F. Casper

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

\_\_\_\_\_  
John R. Flanagan

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

\_\_\_\_\_  
Roger G. Hathornon 1/14, 2008\_\_\_\_\_  
Catherine C. Huang

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

\_\_\_\_\_  
Matthew J. Kalos

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

PATENT

REEL: 020508 FRAME: 0875

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Docket No. POU920070218US1

INVENTORS  
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Signed and sealed

\_\_\_\_\_, on \_\_\_\_\_, 2008  
Daniel F. Casper

\_\_\_\_\_, on \_\_\_\_\_, 2008  
John R. Flanagan

\_\_\_\_\_, on \_\_\_\_\_, 2008  
Roger G. Hathorn

\_\_\_\_\_, on \_\_\_\_\_, 2008  
Catherine C. Huang

Matthew J. Kalos, on 1/14, 2008  
Matthew J. Kalos

PATENT

RECORDED: 02/14/2008

REEL: 020508 FRAME: 0876