12-23-2003

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U.S. DEPARTMENT OF COMMERCE

Docket No.: FIS920030288US1

Patent and Trademark Office

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1. Name of conveying pa	rty(ies):
Giora Biran	10 11 2
Zorik Machulsky	15.11.03
Vadim Makhervaks	

Additional names(s) of conveying party(ies)

☐ Yes 🏻 No

3. Nature of conveyance:

Assignment

☐ Security Agreement

Other

☐ Change of Name

Execution Date: December 7, 2003

☐ Merger

City: Armonk

Country: US

2. Name and address of receiving party(ies):

Address: New Orchard Road

Name: International Business Machines Corporation

ZIP: 10504

_____ State/Prov.: NY

Additional name(s) & address(es)

☐ Yes

⊠ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

December 7, 2003

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes 🛛 No

5. Name and address of party to whom correspondence concerning document should be mailed:

40,398 Registration No.

Name: Spencer K. Warnick

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Three E-Comm Square

City: Albany

State/Prov.: NY

Country: US

ZIP: 12207

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41):....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

09-0458 (IBM)

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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 sopy. of the original document.

Spencer K. Warnick

Name of Person Signing

December 11, 2003

Date

PATENT

REEL: 014803 FRAME: 0456

Total number of pages including cover sheet, attachments, and Mail documents to be recorded with required cover sheet information to:
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PATENT ASSIGNMENT FORM

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INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"), Armonk, New York 10504

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

Title of Invention for DATA TRANSFER ERROR CHECKING

ı	Inited	States	Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by eac inventor signature below, and further identified by Attorney Docket Number FIS920030288US1 ;
(select one): 🗵 executed concurrently herewith or 🗆 Serial No Filed on
for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the IBM and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of New York.

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PATENT REEL: 014803 FRAME: 0457

Executed by Inventor 1 of 3

Signature	Giora Biran	Date:	7/12/2003
		Executed by Inventor 2 of 3	
Signature:	Zolik Machulsky	Date:	7/12/03
	20 III Macinalists	Executed by Inventor 3 of 3	,
Signature:		Date:	7/12/2003
	Vaculim/Makhervaks		· • • • • • • • • • • • • • • • • • • •