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103464798

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OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

PATENTS ONLY

103464798-11

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name and address of conveying party(ies):

(1) Huihao Xu
2253 E. 27th St. 2nd Fl.
Brooklyn, NY 11229

(2) Louis L. Hsu
7 Crosby Court
Fishkill, NY 12524

(3) Kevin G. Kramer
2 Lake Drive
Wappingers Falls, NY 12590

(4) James D. Rockrohr
21 Pleasant Hill Road
Hopewell Junction, NY 12533

(5) Michael A. Sorna
29 Blackberry Way
Hopewell Junction, NY 12533

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: International Business Machines Corporation

Internal Address: _____
Street Address: _____
New Orchard Road

City: Armonk
NY Zip: 10504

Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: _____

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the new application is:
October 29, 2007 ((1) through (4)); and October 30, 2007 (5).

A. Patent Application No.(s): _____
Additional numbers attached? Yes No

B. Patent No.(s): _____

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

Name: Kerry B. Goodwin

IBM Corporation
Street Address:

IPLaw Dept 18G
Bldg 321 Zip 482
2070 Route 52

Docket No. FIS920070097US2
City: Hopewell Junction State: NY Zip: 12533

6. Total number of applications and patents involved: 1

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

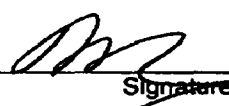
Enclosed
 Authorized to be charged to deposit account
 Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number: 09-0458
(Attach duplicate copy of this page if paying by deposit account)

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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 copy of the original document.

Daryl K. Neff  November 19, 2007

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 6

Express Mail Label: (if applicable) EB437003258US Docket No. FIS920070097US2

PATENT
REEL: 020176 FRAME: 0287

PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

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 United States Patent

DESIGN STRUCTURE FOR ROBUST CABLE CONNECTIVITY TEST RECEIVER FOR HIGH-SPEED DATA RECEIVER

As set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor's signature below, and further identified by Attorney Docket Number FIS920070097US2;

(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 IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to 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 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 to IBM 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.

PATENT DOCKET NO. FIS920070097US2

Executed by Inventor 1 of 5

Signature: *Huihao Xu* Date: 10/29/2007
Huihao Xu

Executed by Inventor 2 of 5

Signature: _____ Date: _____
Louis L. Heu

Executed by Inventor 3 of 5

Signature: *Kevin G. Kramer* Date: 10/29/07
Kevin G. Kramer

Executed by Inventor 4 of 5

Signature: _____ Date: _____
James D. Rockrohr

Executed by Inventor 5 of 5

Signature: _____ Date: _____
Michael A. Soma

Executed by Inventor 1 of 5

Signature: _____ Date: _____
Huihao Xu

Executed by Inventor 2 of 5

Signature:  _____ Date: 10-29-2007
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Michael A. Sorna

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Signature: _____ Date: _____
 Kevin G. Kramer

Executed by Inventor 4 of 5

Signature: _____ Date: _____
 James D. Rockrohr

Executed by Inventor 5 of 5

Signature: Michael A. Sorna Date: 10/30/07
 Michael A. Sorna