

Docket No.: **YOR920040477US1 (18289)**

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp.5/31/2002)
P08A/REV03

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Name: **International Business Machines Corporation**

Address: **New Orchard Road**

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: **November 8, 2004**

City: **Armonk** State/Prov.: **NY**

Country: **USA** ZIP: **10504**

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: _____

Patent Application No.	Filing date	B. Patent No.(s)
10/991,186	November 17, 2004	

Additional numbers Yes No

6. Total number of applications and patents involved: **1**

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

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

Name: **Leslie S. Szivos, Ph.D.**

Registration No. **39,394**

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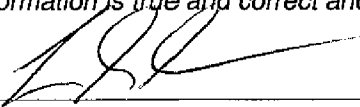
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Leslie S. Szivos, Ph.D.  **March 28, 2006**

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PATENT

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IBM Docket No.: YOR920040477US1
SSMP: 18289

ASSIGNMENT

Whereas, I/we

Inventor
and City

(1) Steven E. Laux
County of Westchester

City of Yorktown Heights
and State of New York

has invented certain improvements in

Title

SELECTION OF OPTIMAL QUANTIZATION DIRECTION FOR
GIVEN TRANSPORT DIRECTION IN A SEMICONDUCTOR DEVICE

Dates That
Inventors
Signed the
Declaration

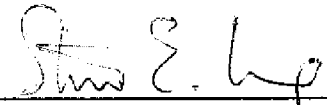
and have executed, respectively, a United States patent application therefor on

(1) November 8, 2004 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 invention 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.

City (1) Signed at Yorktown Heights, NY
Date on November 8, 2004



(Steven E. Laux) signature
First Name Middle Initial Last Name inventor