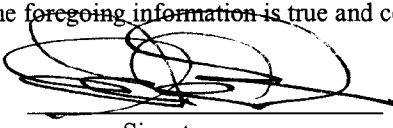


FORM PTO-1595
1-31-92

12-03-2003
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U.S. DEPARTMENT OF COMMERCE
HEET Patent and Trademark Office
Docket No.: FIS920030246

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

1. Name of conveying party(ies): Bruce B. Doris Oleg G. Gluschenkov Huilong Zhu Additional names of conveying party(ies) attached? ☐ yes ☒ no 3. Nature of Conveyance ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other _____ Execution Date: October 29, 2003, November 3, 2003 and October 28, 2003, respectively		2. Name and address of receiving party(ies): Name: International Business Machines Corporation Internal Address: Street Address: Orchard Road City: Armonk State: New York Zip Code: 10504 Additional name(s) & address(es) attached? ☐ yes ☒ no	
4. Application number(s) or patent number(s): Title: HIGH MOBILITY CMOS CIRCUITS If this document is being filed together with a new application, the execution date of the application is October 29, 2003 and October 28, 2003 A. Patent Application No(s). B. Patent No(s). Additional numbers attached? ☐ Yes ☒ No			
5. Name and address of party to whom correspondence concerning document should be mailed: Andrew M. Calderon, Esq. McGuireWoods LLP 1750 Tysons Boulevard, Suite 1800 McLean, Virginia 22102		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 ☒ Total fee due ☒ Any deficiencies in the enclosed fees 8. Deposit account number: 09-0458	
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. Andrew M. Calderon Name of Person Signing  Signature November 6, 2003 Date			

12/02/2003 ECDOOPER 00000129 090458 10701526

BY 5016021 40.00 DA

PATENT
REEL: 014736 FRAME: 0991

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 **HIGH MOBILITY CMOS CIRCUITS**
United States Patent

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number FIS920030246**;

(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;

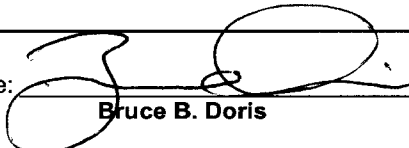
Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;

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.

Executed by Inventor 1 of 3
Signature:  Date: 10/29/03
Bruce B. Doris

Executed by Inventor 2 of 3

Signature:  Date: 11/03/03
Oleg G. Gluschenkov

Executed by Inventor 3 of 3

Signature:  Date: 10/28/03
Huilong Zhu