

# PATENT ASSIGNMENT

**SUBMISSION TYPE:** NEW ASSIGNMENT**APPLICATION NUMBER**  
**09/683498****NATURE OF CONVEYANCE:** ASSIGNMENT OF ASSIGNOR'S INTEREST**CONVEYING PARTY DATA****Name:** Lanzerotti, Louis D**Execution Date:** 12/10/2001**Name:** Ronan, Brian P**Execution Date:** 01/03/2002**Name:** Voldman, Steven H**Execution Date:** 12/10/2001**RECEIVING PARTY DATA****Name:** International Business Machines Corporation**Street Address:** New Orchard Road**Internal Address:****City:** Armonk, New York**State:** NEW YORK**Country:****Postal Code:** 10504

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** 301-261-8825

**CORRESPONDENCE DATA:**

*Correspondence will be sent via US Mail when a fax number has not been provided or the fax attempt is unsuccessful.*

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**CUSTOMER NUMBER:** 028211**NAME OF PERSON SIGNING:** Mark F. Chadurjian / s /**DATE SIGNED:** 01/08/2002**Total Attachments:** 2

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## ASSIGNMENT

Whereas, we

Inventor  
and City

(1) Louis D. Lanzerotti  
County of Chittenden

City of Burlington  
and State of Vermont

(2) Brian P. Ronan  
County of Nassau

City of North Merrick  
and State of Vermont

(3) Steven H. Voldman  
County of Chittenden

City of South Burlington  
and State of Vermont

have invented certain improvements in

Title

**SILICON GERMANIUM HETEROJUNCTION BIPOLAR TRANSISTOR WITH  
CARBON INCORPORATION**

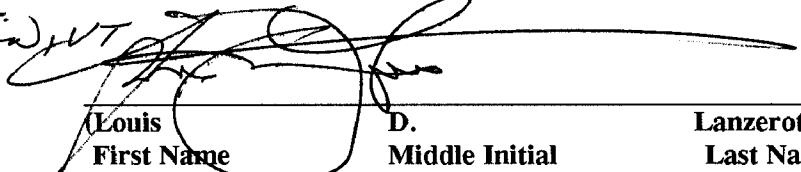
Dates That  
Inventors  
Signed the  
Declaration


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


(1) 12-10 2001, (2) Jan. 3 2002 and  
(3) Dec. 10<sup>th</sup> 2001.

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 *Essex Junction, VT*  
Date on *12-10-01*  
  
\_\_\_\_\_  
(Louis D. Lanzerotti)  
First Name Middle Initial Last Name signature inventor

City (2) Signed at *Princeton, NJ*  
Date on *1-03-02*  
  
\_\_\_\_\_  
(Brian P. Ronan)  
First Name Middle Initial Last Name signature inventor

City (3) Signed at *Essex Junction, Vermont*  
Date on *December 10th, 2001*  
  
\_\_\_\_\_  
(Steven H. Voldman)  
First Name Middle Initial Last Name signature inventor