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To the Honorable Commissioner of Patents and Trademarks Attached original documents or copy thereof.

1. Name of conveying party(ies):
**Ramachandra Divakaruni; Russell J. Houghton;
Jack A. Mandelman; Wilbur D. Pricer; William R. Tonti**

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
Name: **International Business Machines Corporation**
Address: **New Orchard Road**

City: **Armonk** State/Prov.: **NY**
Country: **USA** ZIP: **10504**

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

36490 U.S. PTO
09/718850
1122786

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **11/17/00; 11/21/00; 11/17/00;
11/21/00; and 11/20/00.**

4. Application number(s) or registration numbers(s): **9/718850**

If this document is being filed together with a new application, the execution date of the application is: 1) 11/17/00;
2) 11/21/00; 3) 11/17/00; 4) 11/21/00; and 5) 11/20/00.

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:
Name: **Frederick W. Gibb, III**
Registration No. **37,629**
Address: **McGinn & Gibb, P.C.**
8321 Old Courthouse Road
Suite 200
City: **Vienna** State/Prov.: **VA**
Country: **USA** ZIP: **22182**

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

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:
09-0456

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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.

Eugene I. Shkurko (802-769-8832) *Eugene I. Shkurko* **11/21/00**
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and **5**

BUR9-2000-0016-US1
Express Airbill No. EL046033892US

ASSIGNMENT

Whereas, we

Inventor

(1) Ramachandra Divakaruni
County of ~~Orange~~ WESTCHESTER
P.D.

Somers
City of Middletown R.D.
and State of New York

(2) Russell J. Houghton
County of Chittenden

City of Essex Junction
and State of Vermont

(3) Jack A. Mandelman
County of Dutchess

City of Stormville
and State of New York

(4) Wilbur D. Pricer
County of Chittenden

City of Charlotte
and State of Vermont

(5) William R. Tonti
County of Chittenden

City of Essex Junction
and State of Vermont

have invented certain improvements in

Title LOGIC SOI STRUCTURE, PROCESS AND APPLICATION FOR VERTICAL BIPOLAR TRANSISTOR

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

Signed the Declaration (1) Nov 17, 2000 (2) Nov. 21, 2000 (3) NOV 17, 2000
(4) Nov. 21, 2000 (5) Nov. 20, 2000

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.

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Express Airbill No. EL046033892US

City	(1) Signed at	<i>E. Fishkill, NY</i>			
Date	on	<i>Nov - 17, 2000</i>			
		<i>Ramachandra</i>	<i>Divakaruni</i>	<i>Divakaruni</i>	signature inventor
		(Ramachandra First Name	J. Middle Initial	(Divakaruni) Last Name	

City	(2) Signed at				
Date	on				
		(Russell First Name	J. Middle Initial	(Houghton) Last Name	signature inventor

City	(3) Signed at	<i>E. FISHKILL, NY</i>			
Date	on	<i>11-17-00</i>			
		<i>Jack A. Mandelman</i>	<i>A.</i>	<i>Mandelman</i>	signature inventor
		(Jack First Name	A. Middle Initial	(Mandelman) Last Name	

City	(4) Signed at				
Date	on				
		(Wilbur First Name	D. Middle Initial	(Pricer) Last Name	signature inventor

City	(5) Signed at				
Date	on				
		(William First Name	R. Middle Initial	(Toni) Last Name	signature inventor

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Express Airbill No. EL046033892US

City (1) Signed at
Date on

(Ramachandra Divakaruni) signature
First Name Middle Initial Last Name inventor

City (2) Signed at
Date on

(Russell J. Houghton) signature
First Name Middle Initial Last Name inventor

City (3) Signed at
Date on

(Jack A. Mandelman) signature
First Name Middle Initial Last Name inventor

City (4) Signed at *Charlottesville VA*
Date on *Nov 21, 2000*

Wilbur J. Pricer signature
(Wilbur J. Pricer) inventor
First Name Middle Initial Last Name

City (5) Signed at *ESSEX JUNCTION, VT*
Date on *11/20/2000*

William R. Toni signature
(William R. Toni) inventor
First Name Middle Initial Last Name *(WRT)*

City (1) Signed at
Date on

(Ramachandra Divakaruni)
First Name Middle Initial Last Name signature inventor

City (2) Signed at
Date on *Essex Jct., VT*
11/21/00

Russell J. Houghton
(Russell J. Houghton)
First Name Middle Initial Last Name signature inventor

City (3) Signed at
Date on

(Jack A. Mandelman)
First Name Middle Initial Last Name signature inventor

City (4) Signed at
Date on

(Wilbur D. Pricer)
First Name Middle Initial Last Name signature inventor

City (5) Signed at
Date on *ESSEX JUNCTION, VT*
11/20/2000

William R. Toni
(William R. Toni)
First Name Middle Initial Last Name signature inventor
(WRT)