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06-13-2001

U.S. DEPARTMENT OF COMMERCE
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101746901

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To the Honorable Commissioner of Patents... attached original documents or copy thereof.

1. Name of conveying party(ies):

Jack A. Mandelman
Ramachandra Divakaruni
Johnathan E. Faltermeier
William R. Tonti

05/18/01

2. Name and address of receiving party(ies):

Name: International Business Machines Corporation

Address: New Orchard Road

City: Armonk

State/Prov.: New York

Country: U.S.A.

ZIP: 10504

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: 5-07-01, 5-08-01, 5-17-01, 5-11-01

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

4. Application number(s) or registration numbers(s):

09/86/274

If this document is being filed together with a new application, the execution date of the application is: 5-07-01, 5-08-01, 5-17-01, 5-11-01

Patent Application No.

EF071190515US

B. Patent No.(s)

EXPRESS MAIL
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING
DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS
MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF
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APPLICANT AND/OR ATTORNEY REQUESTS THE DATE OF
DEPOSIT AS THE FILE DATE.

DATE OF DEPOSIT: 5/18/01

BY SIGNATURE & DATE: *Ramachandra Divakaruni* 5/18/01
Additional numbers attached? Yes No

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

Name: Steven Fischman

Registration No. 34,594

Address: Scully, Scott, Murphy & Presser

400 Garden City Plaza

(516)742-4343

City: Garden City State/Prov.: New York

Country: U.S.A. ZIP: 11530

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:

09-0458/IBM FI-284

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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.

Todd M.C. Li, Reg. No. 45,554

Todd M.C. Li

5/18/01

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

3

PATENT

ASSIGNMENT

Whereas, we

Inventor and City	(1) Jack A. Mandelman County of Dutchess	City of Stormville and State of New York
and	(2) Ramachandra Divakaruni County of Westchester	City of Somers and State of New York
and	(3) Johnathan E. Faltermeier County of Dutchess	City of Lagrange and State of New York
and	(4) William R. Tonti County of Chittenden	City of Essex Junction and State of Vermont

have invented certain improvements in DEEP SLIT ISOLATION WITH CONTROLLED VOID

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

Dates That Inventors Signed the Declaration	(1) 5-7	2001, and (2) 5-08	2001, and
	(3) 5-17	2001, and (4)	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 E. FISHKILL, NY

Date on 5-7-01

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

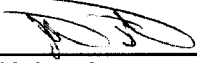
City (2) Signed at E. FISHKILL, NY

Date on 5-8-01

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

City (3) Signed at EAST FISHKILL

Date on 5-17-01

 signature
(Johnathan E. Faltermeier) inventor
First Name Middle Initial Last Name

City (4) Signed at

Date on

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

(IBM Docket No.: FIS920010037US1)

SSM&P Docket No.: 14269

ASSIGNMENT

Whereas, we

Inventor and City	(1) Jack A. Mandelman County of Dutchess	City of Stormville and State of New York
and	(2) Ramachandra Divakaruni County of Westchester	City of Somers and State of New York
and	(3) Johnathan E. Faltermeier County of Dutchess	City of Lagrange and State of New York
and	(4) William R. Tonti County of Chittenden	City of Essex Junction and State of Vermont

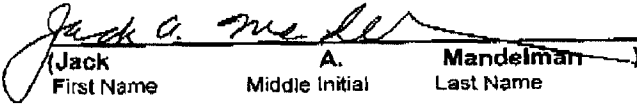
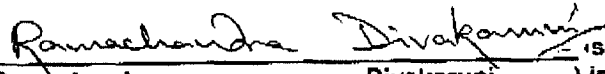
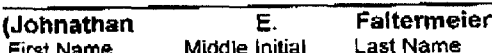

have invented certain improvements in DEEP SLIT ISOLATION WITH CONTROLLED VOID

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

(1)	5-7	2001, and (2)	2001, and
(3)		2001, and (4)	2001.
		5-11-01	

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 E. FISHKILL, NY			
Date	on 5-7-01		signature	
		(Jack A. Mandelman)	inventor	
		First Name Middle Initial Last Name		
City	(2) Signed at E. FISHKILL, NY			
Date	on 5-8-01		signature	
		(Ramachandra Divakaruni)	inventor	
		First Name Middle Initial Last Name		
City	(3) Signed at			
Date	on		signature	
		(Johnathan E. Faltermeier)	inventor	
		First Name Middle Initial Last Name		
City	(4) Signed at ESSEX JCT, VT			
Date	on 5-11-01		signature	
		(William R. Tonti)	inventor	
		First Name Middle Initial Last Name		