

04-12-2001  
101660555

JULY 28, 1992

U.S. PATENT AND TRADEMARK OFFICE

11000 U.S. PTO  
09/813908  
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0450 TMOG 77

NOTE: The following appendix did not appear in the Code of Federal Regulations

**APPENDIX B**

FORM PTO-1595

1-31-92

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1. Name of conveying party(ies):

Hardayal Singh Gill

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

Name: INTERNATIONAL BUSINESS  
MACHINES CORPORATION

Internal Address: Armonk, New York 10504

Street Address: SAME AS ABOVE

Additional name(s) & address(es) attached?

yes X no

Additional name(s) of conveying party(ies) attached? yes X no

3. Nature of Conveyance

X Assignment        Merger

       Security Agreement        Change of Name

       Other

Execution Date: 03/19/2001

09/813908

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 03/19/2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?        Yes X No

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

Name: Ron Feece  
Address: INTERNATIONAL BUSINESS MACHINES CORPORATION  
5600 Cottle Road, L2PA/014  
San Jose, California 95193

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00  
       Enclosed  
X Authorized to be charged to deposit account

8. Deposit Account Number: 09-0442

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9. Statement and signature.

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RON FEECE  
Name of Person Signing

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PATENT  
REEL: 011660 FRAME: 0450

**ASSIGNMENT**

Whereas, I

INVENTOR  
AND CITY

- (1) **Hardaval Singh Gill**  
City of **Palo Alto**,  
County of **Santa Clara**  
State of **California**,

have invented certain improvements in

TITLE

**DUAL TUNNEL JUNCTION SENSOR WITHOUT SHIELD LAYERS**

DATE THAT  
INVENTOR  
SIGNED THE  
DECLARATION

and executed a Declaration and Power of Attorney for a United States patent application therefor on

- (1) 3/19, 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, I, 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed  
(1) at San Jose  
on 3/19, 2001,

CITY  
DATE

Hardaval Singh Gill SIGNATURE  
INVENTOR