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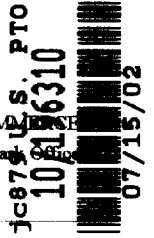
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APPENDIX B
FORM PTO-1595
1-31-92

07/15/02

RECORDATION FORM COVER SHEET
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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 no

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

3. Nature of Conveyance

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 07/12/02

10/196310

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: 07/12/02

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes 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
 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
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07/29/2002 TDIAZ1 00000132 090442 10196310
01 FC:581 40.00 CH

ASSIGNMENT

Whereas, we

INVENTOR
AND CITY

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

have invented certain improvements in

TITLE

CPP SENSOR WITH DUAL SELF-PINNED AP PINNED LAYER STRUCTURES

DATE THAT
INVENTOR
SIGNED THE
DECLARATION

and executed a Declaration and Power of Attorney for a United States patent application therefor on
(1) 7/12, 2002

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

CITY
DATE

(1) at San Jose
on 7/12, 2002,

Hardayal Singh Gill SIGNATURE
INVENTOR