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PATENT ONLY

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12/04/98

1. Name of conveying party(ies): (1) Farid Agahi, (2) Louis L. Hsu, (3) Jack A. Mandelman.

Additional name(s) of conveying party(ies) attached? YES NO

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

Execution Date: 11/30/98, 11/24/98, 11/24/98.

2. Name and address of receiving party(ies):
 Name: International Business Machines Corporation
 Street Address: New Orchard Road
 City: Armonk State: New York ZIP: 10504
 Additional name(s) & address(es) attached? YES NO

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: 11/30/98, 11/24/98
 and 11/24/98.
 A. Patent Application Number(s) FI9-98-130 B. Patent Number(s)

Additional number(s) attached? YES NO

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

Internal Address: Ratner & Prestia
 Street Address: Suite 301, One Westlakes, Berwyn,
P.O. Box 980
Valley Forge, PA 19482-0980
 Phone: (610) 407-0700

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
09-0458 (FI-502)

8. Deposit account number: 09-0458 (IBM Corporation)
 (Attach duplicate copy of this page if paying by deposit account.)

12/14/1998 JSNABAZZ 00000143 090458 09205934

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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.

Daryl K. Neff *Daryl Neff* 12/4/98
 Name of Person Signing Signature Date
38,253

Registration No. Telephone No. 914-894-3664

Total number of pages including cover sheet, attachments, and document: 3

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS EXPRESS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. THE APPLICANT AND/OR AT TORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.

Express Mail Certificate No.: EI374493270US

Date of Deposit: 12/04/98

Name of Person Making Deposit: Robinann Zeno
Signature: *Robinann Zeno 12/4/98*

ASSIGNMENT

WHEREAS, we, **Farid Agahi of 8507 Capital of TX Hwy, Apt. 1014, Austin, TX 78759, Louis L. Hsu, of 7 Crosby Ct, Fishkill, NY 12524, and Jack A. Mandelman, of 5 Jamie Lane, Stormville, NY 12582,** (hereinafter referred to as "**ASSIGNOR**") have made an invention entitled **DRAM CELL HAVING AN ANNULAR SIGNAL TRANSFER REGION**, for which, on even date herewith, the **ASSIGNOR** executed an application for United States Letters Patent;

WHEREAS, the **ASSIGNEE, International Business Machines Corporation, New Orchard Road, Armonk, New York 10504,** a corporation organized and existing under and by virtue of the laws of the State of New York, is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the **ASSIGNEE** the **ASSIGNOR'S** entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that **ASSIGNOR** shall be legally bound, upon request and at the expense of the **ASSIGNEE** or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America and foreign countries in the name of the assignee and to execute all instruments proper to carry out the intent of this instrument.

Because **ASSIGNOR** includes more than one person, these obligations shall apply to those persons both individually and collectively.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

ASSIGNOR #1:

Typed Name: **Farid Agahi**

Farid Agahi
Signature

Signed At: Austin, TX

Date: 11/30/98

ASSIGNOR #2:

Typed Name: **Louis L. Hsu**

Louis L. Hsu
Signature

Signed At: E. Fishkill

Date: 11/24/98

ASSIGNOR #3:

Typed Name: **Jack A. Mandelman**

Jack A. Mandelman
Signature

Signed At: E. FISHKILL, NY

Date: 11/24/98