

05-21-2001

Form PTO 1595



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To the Honorable Commissioner of Pa

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LOUIS L. HSU; RAJIV V. JOSHI;  
FARIBORZ ASSADERAGHI; DAN MOY;  
WERNER RAUSCH; and JAMES CULP  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies)

Name: IBM CORPORATION

Internal Address: \_\_\_\_\_

Street Address: New Orchard Road

City: Armonk State: NY Zip: 10504

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Merger
- Change of Name
- Other

Execution Date(s): January 31, 2001; February 2, 2001  
February 6, 2001; and February 12, 2001

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: \_\_\_\_\_

A. Patent Application No.(s) 09/770,788 B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name: Paul J. Farrell, DILWORTH & BARRESE

Internal Address: \_\_\_\_\_

Street Address: 333 Earle Ovington Boulevard

City: Uniondale State: NY Zip: 11553

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: 50-0510 (IBM - Yorktown Heights)  
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correction and any attached copy is a true copy of the original document.

Reg. No. 33,494  
Paul J. Farrell, Esq.  
Name of Person Signing

Paul Farrell  
Signature

5/9/01  
Date

Total number of pages  
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PATENT

For:  U.S. and/or  Foreign Rights  
For:  U.S. Application or  U.S. Patent  
By:  Inventor(s) or  Present Owner

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR(S):       **LOUIS L. HSU; RAJIV V. JOSHI; FARIBORZ ASSADERAGHI;  
DAN MOY; WERNER RAUSCH; and JAMES CULP**

(Inventor(s) or  
person(s) or entity(es)  
who own the invention)

(If assignment is by person or entity to whom invention was previously assigned and this  
was recorded in PTO add the following)

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_

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hereby sells, assigns and transfers to

ASSIGNEE:

**International Business Machines Corporation**  
(Type or print name of ASSIGNEE)

**New Orchard Road**  
Address

**Armonk, New York 10504**

**U.S.A.**  
Nationality

(Assignment of Invention [16-3]-- page 1 of 3)

and the successors, assigns and legal representatives of the ASSIGNEE  
(complete one of the following)

the entire right, title and interest

an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**T-RAM ARRAY HAVING A PLANAR CELL STRUCTURE  
AND METHOD FOR FABRICATING THE SAME**

(check and complete (a), (b), (c) or (d))

and which is found in

- (a)  U.S. patent application executed on even date herewith  
(b)  U.S. patent application executed on \_\_\_\_\_  
(c)  U.S. application Serial No. 09/770,788  
filed on 1/26/01  
(d)  U.S. provisional application No. 60/ \_\_\_\_\_  
filed on \_\_\_\_\_  
(e)  U.S. Patent No. \_\_\_\_\_ issued \_\_\_\_\_  
(f)  PCT application No. \_\_\_\_\_  
filed on \_\_\_\_\_

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (e) if foreign application(s) is also being assigned)

(g)  and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

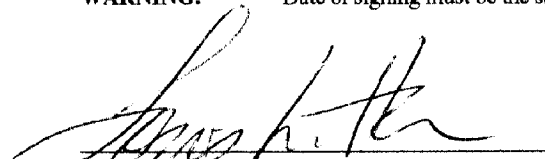
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

(Assignment of Invention [16-3]-- page 2 of 3)

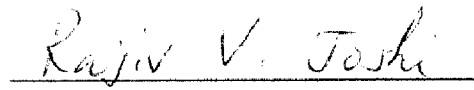
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this \_\_\_\_\_  
(Date of signing).

**WARNING:** Date of signing must be the **same as** the date of execution of the application if item (a) was checked above.

  
\_\_\_\_\_  
**LOUIS L. HSU**

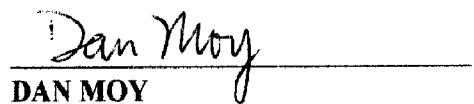
1/31/01  
\_\_\_\_\_  
Dated

  
\_\_\_\_\_  
**RAJIV V. JOSHI**

2/6/01  
\_\_\_\_\_  
Dated

  
\_\_\_\_\_  
**FARIBORZ ASSADERAGHI**


2/12/01  
\_\_\_\_\_  
Dated

  
\_\_\_\_\_  
**DAN MOY**

1/31/01  
\_\_\_\_\_  
Dated

  
\_\_\_\_\_  
**WERNER RAUSCH**

1/31/01  
\_\_\_\_\_  
Dated

  
\_\_\_\_\_  
**JAMES CULP**

2/02/01  
\_\_\_\_\_  
Dated

If ASSIGNOR is a legal entity complete the following information

\_\_\_\_\_  
Type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR

\_\_\_\_\_  
Title

(Assignment of Invention [16-3]-- page 3 of 3)