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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

22154 U.S. PTO
10/634268



08/05/03

1. Name of conveying party(ies):
Jin-Man Han

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

2. Name and address of receiving party(ies)
Name: T-RAM, Inc.
Internal Address: _____

Street Address: 100 Headquarters Drive

City: San Jose State: CA Zip: 95134

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

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

Execution Date: 4/4/2002

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: 4/4/02
A. Patent Application No.(s) _____
10, 634 268
B. Patent No.(s) _____
Additional numbers attached? Yes No

6. Total number of applications and patents involved:
7. Total fee (37 CFR 3.41).....\$ 40.00
 Enclosed
 Authorized to be charged to deposit account

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: H. C. Chan
Internal Address: T-RAM, Inc.

Street Address: 100 Headquarters Drive

City: San Jose State: CA Zip: 95134-1370

8. Deposit account number:
50-2538

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9. Signature.
08/13/2003 LNUELLER 00000300 502538 10634268
01 FC:0021 40.00 DA
H. C. Chan
Name of Person Signing

Signature

Aug. 5, 2003
Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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ASSIGNMENT OF INVENTION

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

FIRST NAMED INVENTOR: Jin-Man Han

Address: 3750 MIRAVERDE CT. #133

SANTA CLARA, CA 95051

hereby sell, assign and transfer to

ASSIGNEE:

ASSIGNEE: T-RAM, Inc.

Address: 2125 Zanker Road

San Jose, CA 95131

and the successors, assigns and legal representatives of the ASSIGNEE

the entire right, title and interest

for the United States and its territorial possessions

and in all foreign countries, including all rights to claim priority,

in and to any and all inventions which are disclosed in:

U.S. patent application,

executed on even date herewith

executed on _____

filed on _____; and
having the serial no. of _____

mailed on _____; and
having the Express Mail label of _____

that is entitled: "Reference Cells for TCCT Based Memory Cells"

and listing

the above ASSIGNORS as the inventors

and, in and to all Letters Patent to be obtained for said invention(s), including all derivatives from the above application or patent, including any conversion, continuation, division, renewal, substitute, reissue or re-examination thereof.

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

ASSIGNORS further covenant 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 ASSIGNORS 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.

Date: 4/4/2002



Signature of Jin-Man Han

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