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1 original documents or copy thereof.

1. Name of conveying party(ies):
Andrew E. Horch;
Fred Hause
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: 6/7/2003; 5/27/2003

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: 6/7/03; 5/27/03
A. Patent Application No.(s) _____
B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: H. C. Chan
Internal Address: T-RAM Semiconductor
Street Address: 620 N. McCarthy Blvd.
City: Milpitas State: CA Zip: 95035-5124

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:
50-2538

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9. Signature.
H. C. Chan _____
Name of Person Signing Signature Date
Oct 3, 2007

Total number of pages including cover sheet, attachments, and documents: 4

Mall documents to be recorded with required cover sheet information to:
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PATENT
REEL: 019972 FRAME: 0913

10-3-07

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	§
Andrew E. Horch	§ Group Art Unit: Unknown
Fred Hause	§
	§ Examiner: Unknown
Serial No.: Unknown	§
Filed: Concurrently Herewith	§ Atty Docket: 2000.006.00/US
Title: THYRISTOR SEMICONDUCTOR DEVICE	§
AND METHOD OF MANUFACTURE	§

ASSIGNMENT

Assignor: Andrew E. Horch
Address: 1180 Reed Ave. #42
Sunnyvale, CA 94086

Assignor: Fred Hause
Address: 4702 Circle Oak Cove
Austin, TX 79749

Assignee: T-RAM, Inc.
Business Address: 100 Headquarters Drive
San Jose, CA 95134-1370
Incorporated in: California

FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, the above-named Assignor(s) hereby

SELLS, ASSIGNS AND TRANSFERS TO THE ABOVE NAMED ASSIGNEE, the entire right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention including improvements which are disclosed in the application; the application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof which have been or shall be filed on any of such improvements, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that Assignor has full right to provide for the present assignment and that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others; and

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, including to communicate to

Assignee, or its successors and assigns, any facts known to Assignor respecting the improvements and the history thereof, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; and generally do everything possible which the Assignee, its successors and assigns shall consider desirable to obtain, maintain and enforce proper patent protection for such improvements and for vesting title to such improvements to the Assignee in this or any foreign country;

GRANTS, in the event that the patent application filing date or serial number is not known at the time this document is executed, permission to the attorneys of record to fill in filing date(s) and/or serial number(s) of patent application(s) that may be associated with the improvements, and to record this assignment after such information is added; and

TO BE BINDING on the heirs, assigns, representatives and successors of the Assignor and extend to the successors, assigns and nominees of the Assignee.

Executed this 7 day of June 2003.

Andrew E. Horch
Andrew E. Horch
Assignor

STATE OF CALIFORNIA)
) ss.
County of Santa Clara)

Before me this 7th day of JUNE 2003, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

[SEAL]

Inger Lena Parker
Inger Lena Parker

Notary Public for
My commission expires: January 23, 2004



Executed this 27th day of May 2003.

Fred Hause

Fred Hause
Assignor

STATE OF Texas)
) ss.
County of Travis)

Before me this 27 day of May 2003, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

[SEAL]

Noreen J. Brown

Notary Public for
My commission expires: 12/28/05

