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07-22-2004



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ET U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

U.S. PTO
10/8900031



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Andrew Horch, Scott Robins, and
Farid Nemati

7-13-04

2. Name and address of receiving party(ies)

Name: T-RAM, Inc.

Internal Address:

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Street Address: 100 Headquarters Drive

City: San Jose State: CA Zip: 95134

Execution Date: 9/26/2002

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

4. Application number(s) or patent number(s):

10890031

9/26/02

If this document is being filed together with a new application, the execution date of the application is:

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, Inc.

Street Address: 100 Headquarters Drive

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

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

DO NOT USE THIS SPACE

9. Signature.

H. C. Chan

Name of Person Signing

Signature

July 9, 2004

Date

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

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

07/15/2004 SMINASS1 00000015 10890031

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40.00 DP

PATENT
REEL: 015575 FRAME: 0921

ASSIGNMENT

WHEREAS, I/we, Andrew Horch, residing at 1180 Reed Ave. #42, Sunnyvale, CA, 94806; Scott Robins, residing at 6678 Charter Oak Pl., San Jose, CA 95120; and Farid Nemati, residing at 2275 Sharon Road, Apartment 304, Menlo Park, California 94025 made certain new and useful inventions and improvements for which I/we herewith file an application for letters Patent of the United States, which is entitled: **SELF-ALIGNED THIN CAPACITIVELY-COUPLED THYRISTOR STRUCTURE**. Attorney Docket No. TRAM.012PA.

AND WHEREAS, T-RAM, Inc., a corporation organized and existing under and by virtue of the laws of the State of California, and now having an office and place of business at 100 Headquarters Drive, San Jose, California 95134 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/ we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and my/our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions,

applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of Sept., 2002.

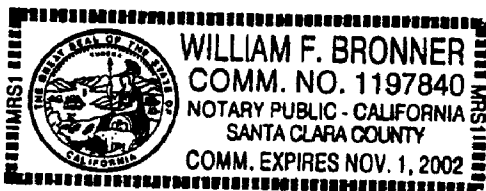
Andrew Horch
Andrew Horch

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA) ss.

On this 26TH day of SEPTEMBER, 2002, before me personally appeared Andrew Horch, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

William F. Bronner
Notary Public WILLIAM F. BRONNER
COMM EXPI NOV, 2002



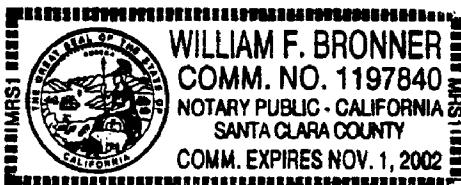
IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of September, 2002.

Scott Robins
Scott Robins

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA) ss.

On this 26th day of SEPTEMBER, 2002, before me personally appeared Scott Robins known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



William F. Bronner
Notary Public WILLIAM F. BRONNER
COMM EXP NOV 1, 2002

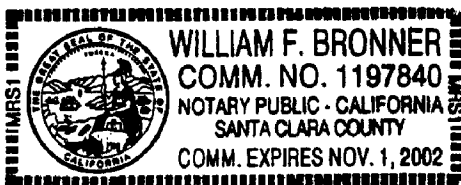
IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of September, 2002.

Farid Nemati
Farid Nemati

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA) ss.

On this 26th day of SEPTEMBER, 2002, before me personally appeared Farid Nemati, known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



William F. Bronner
Notary Public WILLIAM F. BRONNER
COMM EXP NOV 1, 2002