

ATTORNEY DOCKET NO: M-15381 US

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TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Name of conveying parties: (a) Hemanshu T. Vernenker (b) Marge Tait (c) Allen White Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party: Name: Lattice Semiconductor Corporation Street Address: 5555 N.E. Moore Court City: Hillsboro State: Oregon 97124-6421 Country: U.S.A. Additional name(s) of receiving party(ies) attached? [ ] Yes [X] No

3. Nature of Conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: July 2, 2004; July 2, 2004; and July 2, 2004

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) - 10/885,419 Title: Memory Systems and Methods

B. Patent No.(s)

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Greg J. Michelson Internal Address: MACPHERSON, KWOK CHEN & HEID LLP Street Address: 1762 Technology Drive, Suite 226 City San Jose State CA Zip 95110

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41): \$40.00 [X] Authorized to be charged to Deposit Account 50-2257. [X] Charge Deposit Account 50-2257 for any additional fees required for this conveyance and credit deposit account 50-2257 any amounts overpaid

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8. 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. Gregory J. Michelson 44,940 Signature Date July 16, 2004 Total number of pages comprising cover sheet: 3

CH \$40.00 502257 10885419

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**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

Hemanshu T. Vemnerker of Austin, TX  
Marge Tait of Austin, TX  
Allen White of Austin, TX

hereby sell, assign and transfer to **Lattice Semiconductor Corporation**, a Delaware corporation, having a place of business at 5555 N.E. Moore Ct., Hillsboro, OR 97124-6421, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**MEMORY SYSTEMS AND METHODS**

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 2<sup>nd</sup> day of July, 2004.

[Signature]  
Hemanshu T. Vemnerker

State of Texas )  
  ) ss  
County of Travis )

On 7-2, 2004, before me, M. Lemoine personally appeared Hemanshu T. Vemnerker personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]  
Signature of NOTARY



Attorney Docket No.: M-15381 US

Executed this 2nd day of July, 2004.

Marge Tait  
Marge Tait

State of Texas )  
                                  ) ss  
County of Travis )

On 7-2 2004, before me, Manon Lemoine personally appeared Marge Tait personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Manon Lemoine  
Signature of NOTARY



Executed this 2nd day of July, 2004.

Allen White  
Allen White

State of Texas )  
                                  ) ss  
County of Travis )

On 7-2 2004, before me, M Lemoine personally appeared Allen White personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Manon Lemoine  
Signature of NOTARY

