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10-15-2003



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OFFICE. PLEASE RECORD THE ATTACHED

TO THE HONORABLE DIRECTOR OF THE ORIGINAL DOCUMENTS OR COPY THEREOF

1. Name of conveying parties:

(a) Daniel Young

(b) Jeffrey Byrne

Additional name(s) of conveying party(ies) attached?

Yes  No

2. Name and address of receiving party:

Name: Lattice Semiconductor Corporation

Street Address: 5555 N.E. Moore Ct.

City: Hillsboro State: CA

Country: U.S.A.

Additional name(s) of receiving party(ies) attached?

Yes  No

16834 U.S. PTO  
10/676536



3. Nature of Conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: 09/24/2003; 09/30/2003

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

10/676536

If this document is being filed together with a new application, the execution date of the application is: 09/23/2003; 09/30/2003

A. Patent Application No.(s) -

Title: Semiconductor Device Adapted For forming Multiple Scan Chains

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Jon W. Hallman

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

Authorized to be charged to Deposit Account 50-2257.

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.

Jon W. Hallman 42.622  
Name of Person Signing

9/30/03  
Date

10/14/2003 LNUELLER 00000148 502257 10676536

Total number of pages comprising cover sheet: 3

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ASSIGNMENT

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

Daniel B. Young of Beaverton, OR  
Jeffrey S. Byrne of Portland, OR

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

**SEMICONDUCTOR DEVICE ADAPTED FOR FORMING MULTIPLE SCAN CHAINS**

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 24<sup>th</sup> day of September, 2003.

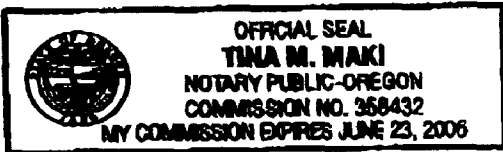
[Signature]  
Daniel B. Young

State of Oregon  
County of Washington SS

On September 24<sup>th</sup> 2003, before me, Tina M Maki personally appeared Daniel B Young 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



Executed this 30th day of September, 2003.

Jeffrey S. Byrne  
Jeffrey S. Byrne

State of Oregon  
County of Washington SS

On September 30 2003, before me, Tina M Maki personally appeared Jeffrey S Byrne 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.

Tina M Maki  
Signature of NOTARY