

### ASSIGNMENT RECORDATION COVER SHEET -PATENTS ONLY-

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

- a) Gregory J. Smith
- b) William J. McIntyre

2. Name and address of receiving party(ies):

- a) Name: National Semiconductor Corporation
- Address: 2900 Semiconductor Drive  
Santa Clara, CA

3. Nature of conveyance

- |                                     |                    |                          |                   |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment         | <input type="checkbox"/> | Merger            |
| <input type="checkbox"/>            | Security Agreement | <input type="checkbox"/> | Change of Name    |
| <input type="checkbox"/>            | Other _____        | <input type="checkbox"/> | License Agreement |

Execution Date: 7/3/03 and 7/8/03

4. Application Number(s) or Patent Number(s): 6,445,631 B2

The title of the (new) application is:  
NON-VOLATILE LATCH WITH PROGRAM STRENGTH VERIFICATION

5. Please send all correspondence concerning this (these) documents to:

**Beyer Weaver & Thomas, LLP**  
**P.O. Box 778**  
**Berkeley, CA 94704-0778**  
**Ph: (650) 961-8300**  
**Fax: (650) 961-8301**  
**(Customer Number: 022434)**


6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. NSC1P173D1)

8. 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.

Date: July 21, 2003

  
 C. Douglass Thomas  
 Registration No. 32,947

CH \$40.00 500388 6445631

### ASSIGNMENT OF ISSUED PATENT

Whereas I an undersigned inventor have invented certain new and useful improvements as set forth in the invention entitled:

#### NON-VOLATILE LATCH WITH PROGRAM STRENGTH VERIFICATION

(Atty. Docket No. NSC1P173D1), which is found in United States Letter Patent No. 6,445,631 B2, issued September 3, 2002, and any legal equivalent thereof in any foreign country, including the right to claim priority.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I an undersigned inventor hereby:

1) Sell, assign and transfer to National Semiconductor Corporation, a Delaware corporation having a place of business at 2900 Semiconductor Drive, Santa Clara, California, ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and patent(s) (including foreign patents) granted upon the information which is disclosed in the above-referenced invention for the United States and in all foreign countries including all rights to claim priority.

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said invention or any division(s), continuation(s), substitutes(s), re-examinations or reissue(s) thereof to the ASSIGNEE.

3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said invention, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

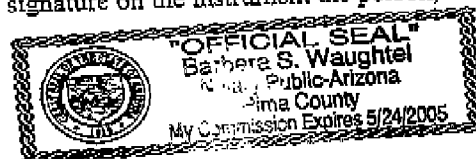
1. Inventor Signature: Gregory J. Smith Date: 7/3/03  
Gregory J. Smith

State of Arizona )  
County of Pima ) ss.

On this 3rd day of July, in the year 2003, before me, Barbara S. Waughtel Notary Public, personally appeared Gregory J. Smith, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Barbara S. Waughtel (SEAL)



2) Signature: William J. McIntyre Date: \_\_\_\_\_

State of California )  
County of \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 2003, before me, \_\_\_\_\_, Notary Public, personally appeared William J. McIntyre, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  
WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_ (SEAL)

**ASSIGNMENT OF ISSUED PATENT**

Whereas I an undersigned inventor have invented certain new and useful improvements as set forth in the invention entitled:

**NON-VOLATILE LATCH WITH PROGRAM STRENGTH VERIFICATION**

(Atty. Docket No. NSC1P173D1), which is found in United States Letter Patent No. 6,445,631 B2, issued September 3, 2002, and any legal equivalent thereof in any foreign country, including the right to claim priority.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I an undersigned inventor hereby:

- 1) Sell, assign and transfer to National Semiconductor Corporation, a Delaware corporation having a place of business at 2900 Semiconductor Drive, Santa Clara, California, ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and patent(s) (including foreign patents) granted upon the information which is disclosed in the above-referenced invention for the United States and in all foreign countries including all rights to claim priority.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said invention or any division(s), continuation(s), substitutes(s), re-examinations or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said invention, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Gregory J. Smith

State of Arizona )  
County of \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 2003, before me, \_\_\_\_\_, Notary Public, personally appeared Gregory J. Smith, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  
WITNESS my hand and official seal.

Notary Signature \_\_\_\_\_ (SEAL)

2) Signature: William J. McIntyre  
William J. McIntyre

Date: 7/8/2003

State of California

County of Nevada

ss.

On this 8<sup>th</sup> day of July 2003, in the year 2003, before me, Roger D. Bergthold, Notary Public, personally appeared William J. McIntyre, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity(ies), and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Roger D. Bergthold (SEAL)

