

01-24-2002

Express Mail Number EL754037515LLS



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U.S. DEPARTMENT OF COMMERCE

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Patent and Trademark Office
Docket No. 072219-0278262 (P05109)

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

1. Name of conveying party(ies):

**CHARLES A. DARK
WILLIAM M. COPPOCK
JEFFERY L. NILES
ANDY STRACHAN**

01/00/02

Individual(s) Association
 General Partnership Limited Partnership
 Corporation-State Other

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

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

Name: **NATIONAL SEMICONDUCTOR CORPORATION**
Address: 2900 Semiconductor Drive, M/S D3-579
City: Santa Clara State: CA
Zip Code: 95051-8090

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

Jc971 U.S. PTO
 10/042811
 01/00/02

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: December 21, 2001, December 21, 2001, January 4, 2002 and January 4, 2002

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

If this document is being filed with a new application, the execution date of the application is: December 21, 2001, December 21, 2001, January 4, 2002 and January 4, 2002.

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:

Mark C. Pickering, Esq.
PILLSBURY WINTHROP LLP
50 Fremont Street, 5th Floor
San Francisco, CA 94105
Customer No. 27271

6. Total number of applications and patents involved: **1**

7. Total fee (37 C.F.R. § 3.41): **\$40.00**

Enclosed
 Authorized to be charged to deposit account, referencing Attorney Docket No. 072219-0278262

8. Deposit account number: **03-3975**

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-3975

DO NOT USE THIS SPACE

9. 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.

Name: Mark C. Pickering *Mark Pickering* Date: 1-8-02
Registration No. 36,239 Signature

Total number of pages comprising cover sheet, attachments and document: **4**

Mail documents to be recorded with required cover sheet information to:

U.S. Patent and Trademark Office
Office of Public Records
Box Assignments
Crystal Gateway 4, Room 335
Washington, D.C. 20231

01/16/2002 EFLORES 00000065 10042811
02 FC:581 40.00 OP

ASSIGNMENT

WHEREAS, WE, CHARLES A. DARK, WILLIAM M. COPPOCK, JEFFERY L. NILLES and ANDY STRACHAN, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Silicide Bridged Anti-Fuse and Method of Forming the Anti-Fuse with a Tungsten Plug Metalization Process

Application Execution Date:

Filing Date: Herewith Appln. No.: New

WHEREAS, NATIONAL SEMICONDUCTOR CORPORATION, a corporation of the State of Delaware, 2900 Semiconductor Drive, M/S D3-579, Santa Clara, California 95051-8090, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to Assignors by Assignee, receipt of which is hereby acknowledged, Assignors has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: DEC 21, 2001

Charles A. Dark

CHARLES A. DARK

State of Texas

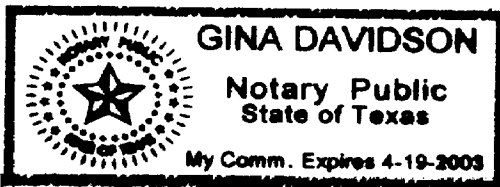
County of Tarrant

On DEC 21, 2001 before me, GINA DAVIDSON, personally appeared CHARLES A. DARK, 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.

Gina Davidson

Signature of Notary



IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

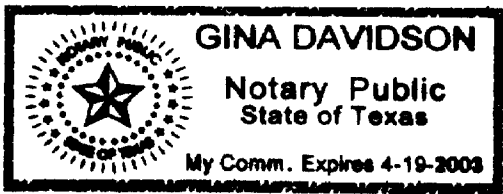
Dated: Dec 21, 2001

William M. Copcock
WILLIAM M. COPPOCK

State of Texas

County of Tarrant

On Dec. 21, 2001 before me, GINA DAVIDSON, personally appeared WILLIAM M. COPPOCK, 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.

Gina Davidson
Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

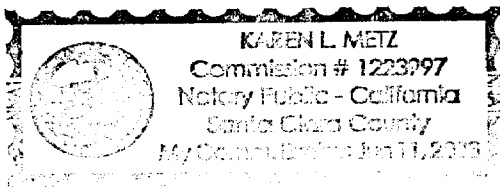
Dated: Jan 4, 2002

Jeffery L. Nilles
JEFFERY L. NILLES

State of California

County of Santa Clara

On 1/4/02 before me, Karen L. Metz, personally appeared Jeffery L. Nilles, 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.

Karen L Metz
Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: Jan 4 2002

Andy Strachan
ANDY STRACHAN

State of California

Andy Strachan

County of Santa Clara

On 1/4/02 before me, Karen L. Metz,
personally appeared Andy Strachan 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.

Karen L. Metz
Signature of Notary

