

12.2.03

12-10-2003

ASSIGN



SHEET

102618600

17497 U.S. PTO
10/727188



Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:
 - a) Roger Sarver
 - b) Dennis Moffat MacDonald
2. Name and address of receiving party:
 - a) Name: National Semiconductor Corporation
 - Address: 2900 Semiconductor Drive
Santa Clara, CA 95051

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: November 21, 2003

10/727188

4. Application Number or Patent Number: Unassigned

The title of the application is: METHOD AND APPARATUS FOR STACKING SEMICONDUCTOR WAFERS

5. Please send all correspondence concerning this document 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

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Enclosed. |
| <input type="checkbox"/> | Charge to Deposit Account No. 500388 (Order No. _____). |
| <input type="checkbox"/> | Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. _____). |

Date: December 2, 2003

Jon Y. Ikegami
Registration No. 51,115

Total number of pages including this cover sheet, attachments and documents: 3

Attorney Docket No. NSC1P286/P05740

(Revised 9/03)

PATENT
REEL: 014759 FRAME: 0881

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I the undersigned inventor have invented certain new and useful improvements as set for in the patent application entitled:

METHOD AND APPARATUS FOR STACKING SEMICONDUCTOR WAFERS

(Atty. Docket No.: **NSC1P286/P05740**) for which we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned inventors hereby:

- 1) Sell(s), assign(s) and transfer(s) to **National Semiconductor Corporation**, a Delaware corporation having a place of business at 2900 Semiconductor Drive, Santa Clara, California, (hereinafter referred to as "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 application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) 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 application, as well as any derivative and 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(s), 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: _____

Roger Sarver

Date: 11/21/03

State of Me.)

County of Cumberland)

SS.

On this 21 day of November, in the year 2003, before me, Sandra Zookbawa, Notary Public, personally appeared **Roger Sarver**, 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: _____

SANDRA L. ZOOKBAWA
Notary Public, Maine
My Commission Expires
October 11, 2008

2. Inventor Signature: _____

Dennis Moffat MacDonald

Date: 11-21-03

State of Maine)

County of Cumberland)

SS.

On this 21 day of November, in the year 2003, before me, Sandra Zookbawa, Notary Public, personally appeared **Dennis Moffat MacDonald**, 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: _____

SANDRA L. ZOOKBAWA
Notary Public, Maine
My Commission Expires
October 11, 2008