

ASSIGNMENT RECORDATION COVER SHEET
-PATENTS ONLY-

10/03/2000 SCARNICH 00000012 09668031
03 FC:541

To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)

- a) Seshadri Vikram
- b) William J. Schaefer

9/21/00

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

- a) Name: National Semiconductor Corporation
- Address: 2900 Semiconductor Drive
Santa Clara, CA 95051

10-11-2000



101483390

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: September 20, 2000

4. Application Number(s) or Patent Number(s):

The title of the (new) application is:

09668031

THERMALLY ENHANCED FLIP CHIP PACKAGING ARRANGEMENT

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

Customer Number: 022434
 BEYER WEAVER & THOMAS, LLP
 P.O. Box 778
 Berkeley, CA 94704-0778
 Phone (650) 961-8300
 Fax (650) 961-8301

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. 50-0388
(Order No. NSC1P118)

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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: September 21, 2000

Steve D Beyer
 Registration No. 31,234

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:

THERMALLY ENHANCED FLIP CHIP PACKAGING ARRANGEMENT

(Atty. Docket No.: NSC1P118) 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 95051, (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: *Seshadri Vikram*
Seshadri Vikram

Date: 9/20/2000

State of California)
County of Santa Clara) ss.

On this 20 day of September, in the year 2000, before me,

Liza Smolyanitsky personally appeared Seshadri Vikram, 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 Liza Smolyanitsky (SEAL)



2. Inventor Signature: *William J. Schaefer*
William J. Schaefer

Date: Sept. 20, 2000

State of California)
County of Santa Clara) ss.

On this 20 day of September, in the year 2000, before me,

Liza Smolyanitsky personally appeared William J. Schaefer, 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 Liza Smolyanitsky

