

07-10-2001

ASSIGNM



IEET

7.03.01

101772145

To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)

- a) Shaw Wei Lee
- b) Anindya Poddar
- c) Ram Veeraraghavan
- d) Thanh Lequang

JUL - 3 2001

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

- 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 Dates: October 14, 1999, May 17, 2001 and June 13, 2001

4. Application Number(s) or Patent Number(s): 09/416,276

The title of the (new) application is:

SUBSTRATE STRIPS FOR USE IN INTEGRATED CIRCUIT PACKAGING

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. 500388 (Order No. NSC1P137)

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: June 29, 2001

Phillip P. Lee
Registration No. 46,866

07/10/2001 DBYRNE 00000001 09416276
 01 FC:581 40.00 0P

Attorney Docket No. NSC1P137/P04345

(Revised 01/96)

PATENT
REEL: 011948 FRAME: 0917

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

SUBSTRATE STRIPS FOR USE IN INTEGRATED CIRCUIT PACKAGING

(Atty. Docket No.: NSC1P137) for which I (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, I/We the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to National Semiconductor Corporation, a California 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/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: _____ Date: _____
Typed Name: Shaw Wei Lee

On this ____ day of _____, in the year 199__, before me, _____, personally appeared Shaw Wei Lee, 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.

Signature _____

(SEAL)

2) Signature: _____ Date: _____
Typed Name: Anindya Poddar

On this _____ day of _____, in the year 199__, before me, _____, personally appeared Anindya Poddar, 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.

Signature _____
(SEAL)

3) Signature: V. Ram Date: 14 Oct. 1999
Typed Name: Ram Veeraraghavan

On this _____ day of _____, in the year 199__, before me, _____, personally appeared Ram Veeraraghavan, 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.

Signature _____
(SEAL)

4) Signature: _____ Date: _____
Typed Name: Thanh Lequang

On this _____ day of _____, in the year 199__, before me, _____, personally appeared Thanh Lequang, 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.

Signature _____
(SEAL)

ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

SUBSTRATE STRIPS FOR USE IN INTEGRATED CIRCUIT PACKAGING

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on October 14, 1999, and which bears the Application No. 09/416,276.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) 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/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

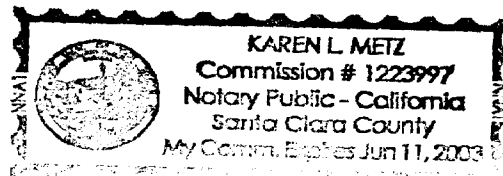
1) Signature: Shaw Wei Lee Date: 5-17-01
Typed Name: Shaw Wei Lee

On this 17th day of May, in the year 2001, before me, Karen L. Metz, personally appeared Shaw Wei Lee, 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 executed the same in his authorized capacity(ies), and that by his 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.

Signature Karen L. Metz (SEAL)

Page 1 of 3



PATENT
REEL: 011948 FRAME: 0920

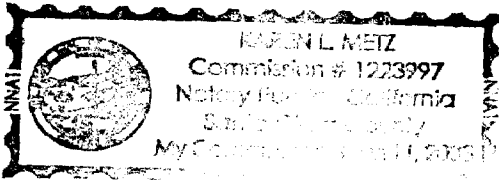
2) Signature: Anindya Poddar
Typed Name: Anindya Poddar

Date: 06/13/01

On this 13th day of June, in the year 2001, before me, Karen L. Metz personally appeared Anindya Poddar, 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.

Signature Karen L Metz (SEAL)



3) Signature: Thanh Lequang
Typed Name: Thanh Lequang

Date: 5/17/2001

On this 17th day of May, in the year 2001, before me, Karen L. Metz personally appeared Thanh Lequang, 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.

Signature Karen L. Metz (SEAL)

