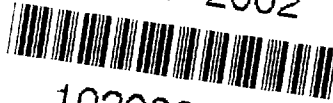


C

ASSIGNMENT

04-01-2002



102038239

ET

To: Honorable Commissioner of Patents and Trademarks:

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

80-1-13

- 1. Name of conveying party(ies)
a) Michael E. THOMAS
- 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 type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input checked="" type="checkbox"/>	Other: Correction of State of Incorporation of Assignment recorded at Reel 8999 and Frame 0499 on 02/24/1998	<input type="checkbox"/>	License Agreement

Execution Date: February 23, 1998

- 4. Application Number(s) or Patent Number(s): 6,017,585

The title of the (new) application is:

HIGH EFFICIENCY SEMICONDUCTOR WAFER COATING APPARATUS AND METHOD

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

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 required to process this recordation are authorized to be charged to Deposit Account No. 500388 (Order No. NSC1P100)

- 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: March 28, 2002

Steve D Beyer

Steve D Beyer
Registration No. 31,234

04/02/2002 JJALLAH2 00000031 6017585
01 FC:581 40.00 DP

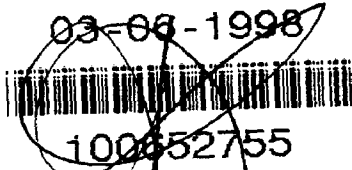
Attorney Docket No. NSC1P100

(Revised 01/96)

PATENT
REEL: 012721 FRAME: 0217

MRD 2-24-98

ASSIGNM



ER SHEET



To: Honorable Commissioner of Patents and Trademarks:

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

- 1. Name of conveying party(ies)
a) Dr. Michael E. Thomas
- 2. Name and address of receiving party(ies):
a) Name: National Semiconductor Corporation
Address: 2900 Semiconductor Drive
Santa Clara, CA 95052
- 3. Nature of conveyance
 Assignment Merger
 Security Agreement Change of Name
Other _____

Execution Date: February 23, 1998

- 4. Application Number(s) or Patent Number(s): Not Yet Assigned

The title of the (new) application is:

HIGH EFFICIENCY SEMICONDUCTOR WAFER COATING APPARATUS AND METHOD

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

Michael L. Louie
 BEYER & WEAVER, LLP
 P.O. Box 61059
 Palo Alto, CA 94306
 Tel. No.: (510) 843-6300
 Fax No.: (510) 843-6203

- 6. Total number of applications and patents involved: 1
- 7. Total fee (37 CFR 3.41): \$40.00

Enclosed
 Authorized to be charged to Deposit Account No. 50-0388
 (Order No.NSCIP100)

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: February 24, 1998

Michael L. Louie
 Michael L. Louie
 Registration No. 36,988

03/04/1998 LSNEED 00000070 09028301 40.00 DP
 03 FC:581

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:

HIGH EFFICIENCY SEMICONDUCTOR WAFER COATING APPARATUS AND METHOD

(Atty. Docket No.: NSC1P100) for which I 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 the undersigned inventor hereby:

Delaware 400 3/23/98

1) Sell, assign and transfer to **National Semiconductor Corporation**, a California 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, 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.

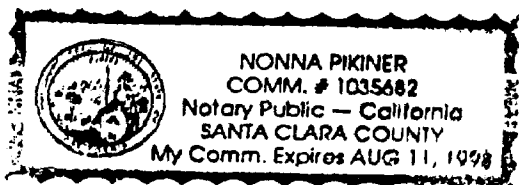
Signed on the date indicated beside my signature

1) Signature:  Date: 2/23/98
Typed Name: Dr. Michael E. Thomas

On this 23 day of February, in the year 98, before me, Nonna Pikiner, Notary Public, personally appeared Dr. Michael E. Thomas 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 Nonna Pikiner (SEAL)



Attorney Docket No. NSC1P100/NS-3674

PATENT
REEL: 012721 FRAME: 0219

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:


HIGH EFFICIENCY SEMICONDUCTOR WAFER COATING APPARATUS AND METHOD

(Atty. Docket No.: NSC1P100) for which I 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 the undersigned inventor hereby:

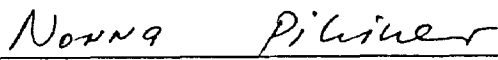
- 1) Sell, assign and transfer to National Semiconductor Corporation, a California corporation having a place of business at 2900 Semiconductor Drive, Santa Clara, California, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed 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, 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.

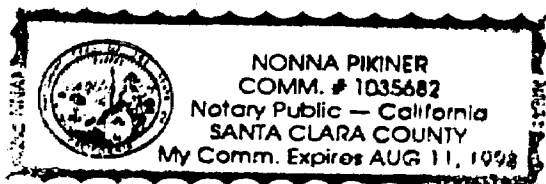
Signed on the date indicated beside my signature

1) Signature:  Date: 2/23/98
Typed Name: Dr. Michael E. Thomas

On this 23 day of February, in the year 98, before me, Nonna Pikiner, Notary Public, personally appeared Dr. Michael E. Thomas 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)



Attorney Docket No. NSC1P100/NS-3674

RECORDED: 04/01/2002

PATENT
REEL: 012721 FRAME: 0220