

11-22-1999

R SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



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Attached original documents or copy thereof.

To the Honorable Commissioner

1. Name of conveying party(ies):
Tzu-Shih YEN; Erik S. JENG; Hao-Chieh LIU; and Hung-Yi LUO

2. Name and address of receiving party(ies):
Name: Vanguard International Semiconductor Corporation
Street Address: 123, Park Ave-3rd, Science-Based Industrial Park
City: Hsinchu Country: Taiwan, R.O.C. Zip: 30077

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

3. Nature of conveyance:
 Assignment

Execution Date: 8/26/99 & 10/23/99

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

If this document is being filed together with a new application, the execution date of the application is: 10/23/99

A. Patent Application No.(s)

B. Patent No.(s)

EXPRESS MAIL CERTIFICATE
Date 11-8-99 Label No. 595862523

I hereby certify that the contents of the enclosed are true and correct and that it was guaranteed for delivery to the Commissioner of Patents & Trademarks, Washington, D.C. 20231 by Express Mail First Class to Addressee's service.

D B Peck
Name (Print) Signature

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Darby & Darby P.C.
Internal Address: Ya-Chiao Chang

Street Address: 805 Third Avenue, 27th Floor

City: New York State: New York Zip: 10022-7513

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

8. Deposit account number:

04-0100

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature:
I, the undersigned, declare under penalty of perjury that the foregoing is true and correct, and that I am 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.

Ya-Chiao Chang
Name of Person Signing

Signature

11/08/99
Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments, Washington, D.C. 20231

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ASSIGNMENT

(Page 1 of 2)

WHEREAS, Tzu-Shih YEN, Erik S. JENG, Hao-Chieh LIU and Hung-Yi LUO. hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

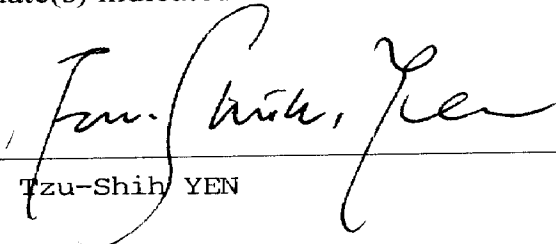
Title: METHOD OF FORMING SELF-ALIGNED CONTACTS USING A HARD MASK
Filed: _____ Serial No. _____
Executed on: August 26 and October 23, 1999

WHEREAS, Vanguard International Semiconductor Corporation of 123, Park Ave-3rd, Science - Based Industrial Park, Hsinchu, Taiwan 30077, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, 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 Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/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, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.



Tzu-Shih YEN

✓ 8/26/99
Date:

ASSIGNMENT

(Page 2 of 2)

✓ Erik S. Jeng
Erik S. JENG

✓ 8/28/99
Date:

✓ Hao-Chieh LIU
Hao-Chieh LIU

✓ 10/23/99
Date:

✓ Hung-Yi LUO
Hung-Yi LUO

✓ 8.26.1999
Date: