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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto: 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Tzu-Shih YEN, Erik S. JENG, Hsiao-Chin TUAN, Name: VANGUARD INTERNATIONAL Chun-Yao CHEN, Eddy CHIANG and Wen-Shiang SEMICONDUCTOR CORPORATION LIAO Internal Address: Additional name(s) of conveying party(ies) attached? 3. Nature of conveyance: X Assignment __ Merger Street Address: 123, Park Ave-3rd, Science-Based Industrial Park Security Agreement Change of Name City: Hsin-Chu City Other State or Area: Taiwan Zip/Postal Code: Country: Republic of China Execution Date: August 25, 2000 Additional name(s) & address(es) attached? 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: September 5, 2000 A. Patent Application No(s). B. Patent No(s). 09124 938 Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: one concerning document should be mailed: Name: 7. Total fee (37 CFR 3.41) \$40.00 00000000V194549CPTMAN GOPSTEIN 09/18/2000 UTOMLER II Credit Card payment form enclosed GILMANOS BERNER Internal Address: ☐ Authorized to be charged to deposit account Street Address: 1700 Diagonal Road, Suite 310 8. Deposit account number: 07-1337 City: Alexandria State: VA ZIP: 22314 DO NOT USE THIS SPACE 9. Statement and signature. 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. Benjamin J. Hauptman Reg. No. 29,316 September 5, 2000 Date Total number of pages comprising cover sheet: 1 CMB No. 0851-0011 (exp. 4/94)

> **PATENT** REEL: 011083 FRAME: 0305

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ASSIGNMENT

| In consideration of the premises and other good and | valuable consideration in hand paid | , the receipt and sufficiency of which is |
|---|-------------------------------------|---|
| hereby acknowledged, the undersigned. | | |

| (1) | Tzu-Shih YEN | (4) | Chun-Yao CHEN |
|-----|-----------------|-----|-----------------|
| (2) | Erik S. JENG | (5) | Eddy CHIANG |
| (3) | Hsiao-Chin TUAN | (6) | Wen-Shiang LIAO |

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

VANGUARD INTERNATIONAL SEMICONDUCTOR CORPORATION

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

METHOD FOR FORMING SELF-ALIGNED CONTACT WITH LINER

- [a] for which an application for United States Letters Patent was filed on, and identified by United States Serial No.; or
- [b] for which an application for United States Letters Patent was executed on,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside our signatures:

RECORDED: 09/05/2000

| INVENTORS | DATE SIGNED | |
|---|--------------|--|
| (1) Fea-Shishs Yen. | AUG 2 5 2000 | |
| Name: Tzu-Shih YEN (2) 924- S | AUG 25 2000 | |
| Name: Erik S. JENG (3) Financia Claration | AUG 25 2000 | |
| Name: Hsiag-Chin TUAN (4) Chin, Chiv-130 | AUG 25 2000 | |
| Name: Chun-Yao CHEN (5) Eddy Milwa | AUG 2 5 2000 | |
| Name: Eddy CHIANG (6) Wen-Shiang Liao | AUG 25 2000 | |
| Name: Wen-Shiang LIAO | | |

PATENT REEL: 011083 FRAME: 0306