

44403

04-21-2003

Atty. Docket No.: 0941-0709P

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To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

JCS996 U.S. PTO
10/412344
04/14/03

1. Name of conveying party(ies): [FAMILY NAME (ALL CAPS), Given Name] TSAI, Fu-Hsiung Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	2. Name and address of receiving party(ies) Name: VANGUARD INTERANTIONAL SEMICONDUCTOR CORPORATION Internal Address: Street Address: 123 park Ave.-3rd Science-Based Industrial Park City: Hsinchu State: ZIP: Country: TAIWAN, R.O.C. Postal Code: 30077 Additional name(s) & address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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: Execution Date: March 5, 2003	

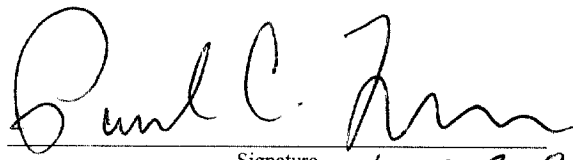
4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the application is: **March 5, 2003**

A. Patent Application No(s). NEW 10412344	B. Patent No.(s). Additional numbers attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747 Country: USA	6. Total No. of applications/patents involved: ONE (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: 02-2448 (Attach triplicate copy of this page if paying by deposit account)
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9. Statement and signature.

Joe McKinney Muncy, #32,334 Name of Person Signing/Reg. No.	 Signature	April 14, 2003 Date
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Total number of pages including cover sheet, attachments, and document: **TWO (2)**

KM/ka

(Rev.12/31/2002)

04/15/2003 ANAB11 00000068 10412344
04 FC:8021 40.00 OP

PATENT
REEL: 013967 FRAME: 0832

ASSIGNMENT

WHEREAS, Fu-Hsiung TSAI
 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: CLEANING ASSEMBLY
 Filed: April 14, 2003 Serial No. NEW
 Executed on: 03/05/2003

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.

Fu-Hsiung TSAI
 Fu-Hsiung Tsai

03052003
 Date: