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04-21-2003

Atty. Docket No.: 0941-0709P

Page 1 of 1

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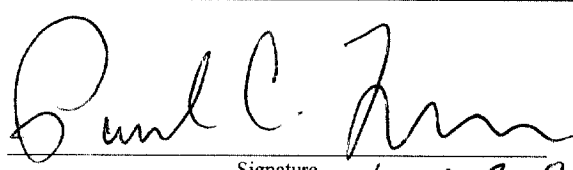


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To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

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			
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)	
DO NOT USE THIS SPACE			
9. Statement and signature. <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><u>Joe McKinney Muncy, #32,334</u> Name of Person Signing/Reg. No.</p> </div> <div style="width: 30%; text-align: center;">  Signature </div> <div style="width: 30%; text-align: right;"> <p><u>April 14, 2003</u> Date</p> </div> </div> <p style="text-align: center; margin-top: 10px;">#47,368</p>			
Total number of pages including cover sheet, attachments, and document: TWO (2)			

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(Rev.12/31/2002)

04/15/2003 ANABI1 00000068 10412344

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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: