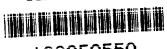
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Attorney Docket No: TSAI113302

To the Honorable Assistant Commissioner for Patents: Please recor	d the attached original documents or copy thereof.				
Name of conveying party:	2. Name and address of receiving party:				
Chia-Ching Tung	Name: Vanguard International Semiconductor				
Additional name(s) of conveying party(ies) attached? Yes X No	Corporation Address: 123, Park Ave-3rd., Science-Based Industrial Park				
3. Nature of conveyance:	City: Hsinchu Province: Taiwan				
X Assignment Merger Security Agreement Change of Name Other	Country: R.O.C.				
Execution dates: January 14, 1999	Additional name(s) & address(es) attached? Yes X No				
4. Application number(s) or patent number(s):	83 E				
A. Patent Application No(s). B. Patent No(s).					
Additional numbers attached					
If this document is being filed together with a new application, the	he execution date of the application is: January 14, 1999				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:1				
	7. Total fee (37 C.F.R. 3.41):\$ 40.00				
Chun M. Ng, Esq. CHRISTENSEN O'CONNOR	Check No. 102945 in the amount of \$40.00 is enclosed.				
JOHNSON & KINDNESS ^{PLLC} 1420 Fifth Avenue	8. The Commissioner is hereby authorized to charge any fees				
Suite 2800 Seattle, WA 98101-2347	under 37 C.F.R. §§ 1.16 and 1.17 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account Number 03-1740.				
(206) 682-8100	orospayinosis, to Doposit Moodal Mandol 65 17 10.				
DO NOT USE	THIS SPACE				
9. Statement and signature:					
To the best of my knowledge and belief, the foregoing informati original document.	ion is true and correct and any attached copy is a true copy of the				
Chun M. Ng	January 1, 1999				
Name of Attorney or Agent Registration No. 36,878	Signature Date				
Direct Dial (206) 224-0719 Total numb	per of pages including cover sheet, attachments and document: 3				
OMB No. 0651-0011 (exp. 4/94)					
2/05/1999 BNGUYEN 00000028 09239883					
L FC:581 40.00 0P					

ASSIGNMENT

		TING A CAPACIT	OR ·
The PATENT RIGH	ITS referred to in	this agreement are:	
$(check\ one)[\mathbf{x}]$ a pate	nt application for	this invention, exec	cuted by the ASSIGNOR(S)
conc	arrently with this a	assignment.	
□ U.S. _I	atent application	Serial No.	.ñled
<u> </u>	patent application	n based on PCT Inte	ernational Application
No	file	d on (date)	(U.S. patent application
Serial	No	if known).	
U.S. _I	natent No	issued	
The PATENT RIGH	ITS also include a	ll divisions reissues	. continuations and extensions of
the patents and pate	nt applications ide	ntified above.	
The PATENT RIGH	ITS assigned unde	r this agreement are	2:
$(check\ one)[\overline{X}\ U.S.$	patent rights only.		
_ World	lwide patent rights	s. In this case, the as	ssignee shall have the right to
clain	the benefit of the	filing date of any U	AS, or foreign patent application
for th	is invention.		
The ASSIGNOR(S)	referred to in this	agreement is (or are	e) the inventor(s) whose signatures
appear on page 2 of	this Assignment a	nd any Supplement	al Sheet(s).
The ASSIGNEE ref	erred to in this agr	eement is:	
(Name of Assignee)	VANGUARD INTER	NATIONAL SEMICON	DUCTOR CORPORATION
(Address) 123, PAF	K AVE-3RD., SC	ENCE-BASED INDU	STRIAL PARK, HSINCHU,
•	R.O.C.		
The ASSIGNEE is:			
(check one) ☐ An ir	dividual.		
☐ A Pai	tnership.		
X A Co	rporation of	TAIWAN, R.O.C.	(specify state or country)
□(other)		
		uri.	
			he ASSIGNEE, and other good and
valuable considerat	on, receipt of which	ch is acknowledged	, hereby assign(s) the following
rights to the ASSIG	NEE, its successor	rs and assigns:	
the full and exclusive	e right to the inve	ntion;	
the entire right, title	and interest in and	d to the PATENT R	UGHTS;
the right to sue and	recover for any pa	st infringement; and	d
the right to claim pr	iority under 35 US	SC 119, 35 USC 12	0, or any other applicable
provisions, based o	anv earlier paten	t applications for th	is invention

PATENT REEL: 9739 FRAME: 0589

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTORIS) TO

ASSIGNEE: VANGUARD INTERNATIONAL SEMICONDUCTOR CORPORATION

INVENTION TITLE: A METHOD FOR FABRICATING A CAPACITOR

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been excuted.

Chia-Ching TUNG	Chia Ching Tung	1/14/991
Name of sole or first inventor	Signature	Date
Name of second inventor, if any	Signature	Date
Name of third inventor, if any	Signature	Date
Name of fourth inventor, if any	Signature	Date
Name of fifth inventor, if any	Signature	Date
Name of sixth inventor, if any	Signature	Date
Name of seventh inventor, if any	Signature	Date
Name of eighth inventor, if any	Signature	Date

RECORDED: 01/29/1999

PATENT REEL: 9739 FRAME: 0590