PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5029841 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIAN-HSING LEE	06/07/2018
SHAO-CHANG HUANG	06/07/2018
CHIH-HSUAN LIN	06/07/2018

RECEIVING PARTY DATA

Name:	VANGUARD INTERNATIONAL SEMICONDUCTOR CORPORATION
Street Address:	123, PARK AVE-3RD, SCIENCE-BASED INDUSTRIAL PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	30077

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16017633

CORRESPONDENCE DATA

Fax Number: (703)205-8050

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (703) 205-8000

Email:mailroom@bskb.com, anh-vu.dao@bskb.comCorrespondent Name:BIRCH, STEWART, KOLASCH & BIRCH, LLP.Address Line 1:8110 GATEHOUSE ROAD, SUITE 100E

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	0941-3792PUS1
NAME OF SUBMITTER:	ANH-VU DAO
SIGNATURE:	/anh-vu dao/
DATE SIGNED:	06/25/2018

Total Attachments: 1

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PATENT 504983095 REEL: 046233 FRAME: 0452

ASSIGNMENT

WHIEDEAG Time White TED G				
WHEREAS, Jian-Hsing LEE, Shao- LIN hereafter referred to as ASSIGNOR, has/	have invented certain new and useful			
improvements as described and set forth in the				
States Letters Patent:				
Title: SEMICONDUCTOR STRUCTURES				
Filed: June 25, 2018 Serial	No. 16/017,633			
Executed on: June 7, 2018				
WHEREAS, Vanguard Internationa				
of 123, Park Ave-3rd, Science - Bas				
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;	ppheation and in any 0.5. Letters I atent			
,				
NOW, THEREFORE, TO ALL WHOM IT				
good and valuable consideration, receipt of whice				
Assignor has/have sold, assigned and transferred, and transfer unto the said Assignee, and Assignee'				
rights, title and interest in and to the said in				
improvements thereon, and in and to any Letters Pat	ent which may hereafter be granted on the			
same in the United States, the said interest to be he	* * * *			
and exclusively as it would have been held and enjo and transfer not been made, to the full end and to				
granted thereon, or of any division, renewal, continued thereon.				
conversion, reissue, prolongation or extension thereo				
	/she/they will, without charge to said			
Assignee, but at Assignee's expense, cooperate was application, and/or applications, execute verify as				
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				
title thereto in said Assignee, or Assignee's successor	ors and assigns.			
IN TESTIMONY WHEREOF, Assignor has	/have signed his/her/their name(s) on the			
date(s) indicated.	nave organica mismer/area manie(3) on the			
T 1 1				
Jian-hsing LEE	2018/6/7			
Jian-Hsing LEE	Date			
3.00.1 1.0.1.1.5 2.2.1	,			
Short Charles Hugan	2012/6/7			
Shao-Chang Huang	$\frac{>0/3}{6}$			
Chara Haran lin	2018/1/0			
Chin-Hayan Lin Chih-Hsuan LIN	>0/8/6/1			

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PATENT REEL: 046233 FRAME: 0453