507036591 12/20/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT7083428 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PO-YUAN TANG	12/08/2021
YANG-SEN YEH	12/08/2021
HSUAN-CHI SU	12/08/2021

RECEIVING PARTY DATA

Name:	VANGUARD INTERNATIONAL SEMICONDUCTOR CORPORATION	
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State/Country:	TAIWAN	
Postal Code:	30077	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17554512

CORRESPONDENCE DATA

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Address Line 1: 8110 GATEHOUSE ROAD, SUITE 100E Address Line 4: FALLS CHURCH, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	0941-4662PUS1
NAME OF SUBMITTER:	PHILLIP R. TASHJIAN
SIGNATURE:	/Phillip R. Tashjian/
DATE SIGNED:	12/20/2021

Total Attachments: 2

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507036591 PATENT REEL: 058432 FRAME: 0866

ASSIGNMENT

WHEREAS, Po-Yuan TANG, Yang-Sen YEH, and Hsuan-Chi SU 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: STORAGE DEVICE AND CONTROL METHOD THEREOF Filed: December 17, 2021 Serial No. 17/554,512 Executed on: December 8, 2021

WHEREAS, Vanquard International Semiconductor Corporation of 123, Park Ave-3rd, Hsinchu Science 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, and the entire rights, title and interest in and to any and all foreign patents and applications for any invention described in said U.S. patent applications, in any and all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them, 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.

2021,12.8.

ASSIGNMENT

Hsuan-Chī SU

Date

2021,/2,8

Date

110016/0516-A28515-US

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