

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MANOJ KUMAR	10/28/2016
HSIUNG-SHIH CHANG	11/03/2016
PEI-HENG HUNG	11/18/2016
CHIA-HAO LEE	10/28/2016
JUI-CHUN CHANG	10/31/2016
CHIH-CHERNG LIAO	10/31/2016
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15398999
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DATE SIGNED:	01/05/2017
Total Attachments: 3	

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ASSIGNMENT

WHEREAS, Manoj KUMAR, Hsiung-Shih CHANG, Pei-Heng HUNG, Chia-Hao LEE, Jui-Chun CHANG, and Chih-Cherng LIAO 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: SEMICONDUCTOR DEVICES AND METHODS FOR MANUFACTURING THE SAME

Filed: January 5, 2016 Serial No. 15/398,999
 Executed on: October 28, 2016; October 31, 2016 and November 18, 2016

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.

 Manoj KUMAR

 Date

 Hsiung-Shih CHANG

 Date

Pei Heng Hung
 Pei-Heng HUNG

2016/11/18
 Date

ASSIGNMENT

Chia-Hao LEE *etc, 28, 2016*

etc, 28, 2016

Date _____

Jui-Chan CHANG

Jui-Chun CHANG

10/31/2016

Date _____

Chih-cheny Lu

Chih-Cherng LIAO

10/31/2016

Date