

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CARLOS J.R.P. AUGUSTO	10/02/2014
RECEIVING PARTY DATA		
Name:	QUANTUM SEMICONDUCTOR LLC	
Street Address:	4320 STEVENS CREEK BOULEVARD	
Internal Address:	SUITE 212	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95129	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14572989
CORRESPONDENCE DATA		
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<i>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.</i>		
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ATTORNEY DOCKET NUMBER:	QS2043	
NAME OF SUBMITTER:	TRAVIS L. DODD	
SIGNATURE:	/Travis L. Dodd/	
DATE SIGNED:	12/06/2018	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, I, the undersigned, Carlos J.R.P. AUGUSTO, of San Jose, California, 95124, have invented a certain new and useful invention entitled CMOS PIXELS COMPRISING EPITAXIAL LAYERS FOR LIGHT-SENSING AND LIGHT EMISSION ; and

WHEREAS, QUANTUM SEMICONDUCTOR LLC, corporation of the State of California, having a place of business at 4320 Stevens Creek Boulevard, Suite 212, San Jose, California 95129, and is desirous of acquiring the entire right, title and interest in and to said invention and any and all Letters Patent of the United States and Letters Patent in any and all foreign countries which may be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto the said QUANTUM SEMICONDUCTOR LLC, its legal representatives, successors and assigns, the entire right, title and interest in and to said invention, as described in the above mentioned application filed in the United States Patent and Trademark Office on January 23, 2007, and given Serial No. 11/572,519, and entitled CMOS PIXELS COMPRISING EPITAXIAL LAYERS FOR LIGHT-SENSING AND LIGHT EMISSION, and in and to all patents of the United States and in any and all foreign countries which may be issued for said invention, and in and to all patent applications, continuations, continuations-in-part, divisionals, reexaminations and reissues of said invention as described in the above-mentioned application in the United States and in any and all foreign countries, as fully and completely as the same would have been held by me had this Assignment and sale not been made, together with all claims for damages by reason of past infringement with the right to sue for and collect the same and obtain all other possible remedies for its own use and enjoyment and for the use and enjoyment of its successors, assigns or other legal representatives. The said entire right, title and interest shall vest irrevocably in QUANTUM SEMICONDUCTOR LLC. I further agree upon request, without additional compensation but at no expense to myself, to execute or assent to foreign applications, and to

execute all other legal documents as may be necessary or desirable to vest the enjoyment of the said entire right, title and interest hereby transferred in QUANTUM SEMICONDUCTOR LLC _____, its legal representatives, successors and assigns, or as the said company may direct.

I hereby request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to the said QUANTUM SEMICONDUCTOR LLC _____, its legal representatives, successors and assigns, as the sole owner of the entire right, title and interest in and to said patents and inventions covered thereby.

02-OCT-2014
Date

Signature: Carlos J.R.P. Augusto
Printed Name: Carlos J.R.P. AUGUSTO