

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Carlos J.R.P. AUGUSTO	02/07/2012
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:	11572525
CORRESPONDENCE DATA	
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Address Line 4:	Des Moines, IOWA 50309
ATTORNEY DOCKET NUMBER:	2-0132-011
NAME OF SUBMITTER:	Michael O. Sturm
Total Attachments: 2 source=ASSIGNMENT-signed#page1.tif source=ASSIGNMENT-signed#page2.tif	

OP \$40.00 11572525

## ASSIGNMENT

WHEREAS, I, the undersigned, Carlos J.R.P. AUGUSTO, of San Jose, California, 95124, have invented a certain new and useful invention entitled LAYOUTS FOR THE MONOLITHIC INTEGRATION OF CMOS AND DEPOSITED PHOTONIC ACTIVE LAYERS; 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. 11/572,525, and entitled LAYOUTS FOR THE MONOLITHIC INTEGRATION OF CMOS AND DEPOSITED PHOTONIC ACTIVE LAYERS, 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.

07-FEB-2012  
Date

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