

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KENNETH MCGREER	12/18/2017
CALVIN HO	12/20/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NEOPHOTONICS CORPORATION
<b>Street Address:</b>	2911 ZANKER ROAD
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15846413
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)315-4321
<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>	
<b>Phone:</b>	404-949-5730
<b>Email:</b>	patents@cfid-ip.com
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<b>ATTORNEY DOCKET NUMBER:</b>	3275.91US02
<b>NAME OF SUBMITTER:</b>	PETER S DARDI
<b>SIGNATURE:</b>	/Peter S. Dardi/
<b>DATE SIGNED:</b>	12/29/2017
<b>Total Attachments: 5</b>	
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ASSIGNMENT

WHEREAS, we, Kenneth McGreer of Livermore, California and Calvin Ho of San Jose, California, have invented certain new and useful improvements in COMPACT, ENERGY EFFICIENT MACH-ZEHNDER INTERFEROMETERS AND OPTICAL ATTENUATORS, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 15/846,413, filed December 19, 2017.

WHEREAS, NeoPhotonics Corporation ("Assignee"), having its principal offices at 2911 Zanker Road, San Jose, California, 95134, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration to us in hand paid by said Assignee, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said application, all applications claiming priority to said application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

We hereby authorize the above mentioned Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the date of execution and/or filing date and application number of said application when ascertained.

We further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration we do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute in writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications

or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seal as dated below.

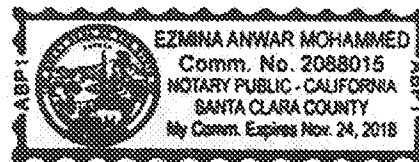
Date: 12/18/2017

Kenneth McGreer  
Kenneth McGreer

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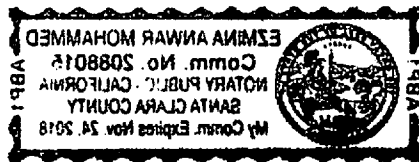
County of Santa Clara

Subscribed and sworn to ~~(or affirmed)~~ before me on this 18th day of December, 2017,  
by Kenneth Andrew McGreer, proved to me on the basis of satisfactory evidence to be the  
person who appeared before me.

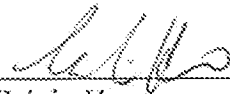


Ezmina A. Mohammed  
Notary Public

Notary Seal



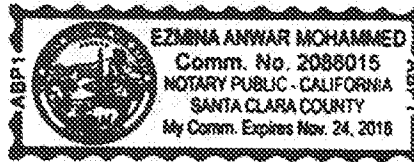
Date: 12/20/17

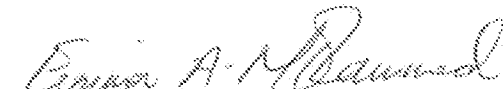
  
Calvin Ho

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

County of Santa Clara

Subscribed and sworn to (or affirmed) before me on this 20<sup>th</sup> day of December 2017,  
by CALVIN KA KUON HO, proved to me on the basis of satisfactory evidence to be the  
person who appeared before me.



  
Notary Public

Notary Seal

