

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jian Liu</td> <td>10/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jian Liu	10/01/2012
Name	Execution Date				
Jian Liu	10/01/2012				
RECEIVING PARTY DATA					
Name:	PolarOnyx, Inc.				
Street Address:	2526 Qume Drive				
Internal Address:	Suites 17&18				
City:	San Jose				
State/Country:	CALIFORNIA				
Postal Code:	95131				
PROPERTY NUMBERS Total: 1					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13615472</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13615472
Property Type	Number				
Application Number:	13615472				
CORRESPONDENCE DATA					
Fax Number:	2102248834				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>					
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ATTORNEY DOCKET NUMBER:	POLA-P1204				
NAME OF SUBMITTER:	John M. Taboada				
Total Attachments: 1 source=POLA-P1204_Assignment_signed#page1.tif					

OP \$40.00 13615472

### Assignment Of Patent Application

WHEREAS, INVENTOR(s), Jian Liu of Sunnyvale, California, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Fiber Geometrical Management for TEM00 Mode Pulse Energy Scaling of Fiber Lasers and Amplifiers

Filing Date: 09/13/2012

Application No.: 13/615,472

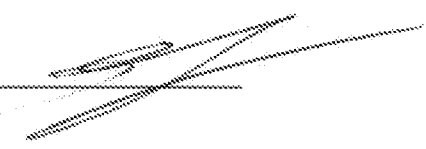
Attorney Docket No.: POLA-P1204 and

WHEREAS, PolarOnyx, Inc., located at 2526 Oume Drive, Suites 17&18, San Jose, CA 95131, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents do assign to Assignee all right, title, and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title, and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations 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 that he will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his name on the date indicated.

  
\_\_\_\_\_  
Jian Liu

Dated 10/1/12