

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4246955

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHIBIN JIANG	01/06/2017
TAO LUO	01/06/2017
QING WANG	01/09/2017
LEI PAN	01/09/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADVALUE PHOTONICS, INC.
<b>Street Address:</b>	3440 E. BRITANNIA DRIVE
<b>Internal Address:</b>	SUITE 190
<b>City:</b>	TUCSON
<b>State/Country:</b>	ARIZONA
<b>Postal Code:</b>	85706
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15404973
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	520-770-8753
<b>Email:</b>	pat-dept@quarles.com
<b>Correspondent Name:</b>	YAKOV SIDORIN
<b>Address Line 1:</b>	QUARLES & BRADY LLP
<b>Address Line 2:</b>	ONE SOUTH CHURCH AVENUE, SUITE 1700
<b>Address Line 4:</b>	TUCSON, ARIZONA 85701
<b>ATTORNEY DOCKET NUMBER:</b>	134074.00032
<b>NAME OF SUBMITTER:</b>	YAKOV SIDORIN
<b>SIGNATURE:</b>	/Yakov Sidorin/
<b>DATE SIGNED:</b>	01/27/2017
<b>Total Attachments: 4</b>	

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ASSIGNMENT

ASSIGNORS:

Shibin Jiang  
Tao Luo  
Qing Wang  
Lei Pan

ASSIGNEE: AdValue Photonics, Inc.  
3440 E. Britannia Drive  
Suite 190  
Tucson, AZ 85706

Attorney Docket No. 134074.00032

STATE OF INCORPORATION OF ASSIGNEE: Arizona

TITLE: Rare-Earth Doped Gain Fibers

APPLICATION NO.: 15/404,973

FILING DATE: January 12, 2017

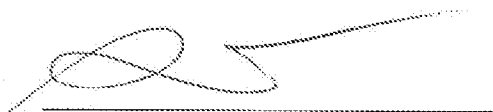
Assignor is a joint inventor of a certain new and useful invention (the "Invention") described in a United States patent application (the "Application") bearing the attorney docket number and title listed above. If a filing date and application number are shown, the Application has a Patent and Trademark Office filing date and application number as indicated above.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including as a divisional, continuation-in-whole or continuation-in-part, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 01/06/2017

  
\_\_\_\_\_  
Shibin Jiang, Assignor

STATE OF ARIZONA

County of PIMA, ss.

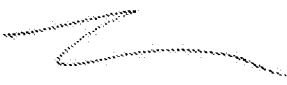
On this \_\_\_\_\_ day of \_\_\_\_\_, 2017, before me, the undersigned notary public, personally appeared Shibin Jiang, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

\_\_\_\_\_  
Notary Public

My commission expires:

Date: 01/06/2017

  
\_\_\_\_\_  
Tao Luo, Assignor

STATE OF ARIZONA

County of PIMA, ss.

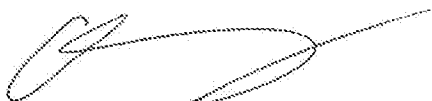
On this \_\_\_\_\_ day of \_\_\_\_\_, 2017, before me, the undersigned notary public, personally appeared Tao Luo, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

\_\_\_\_\_  
Notary Public

My commission expires:

Date: 1/9/2017

  
\_\_\_\_\_  
Qing Wang, Assignor

STATE OF ARIZONA

County of PIMA, ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2017, before me, the undersigned notary public, personally appeared Qing Wang, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

\_\_\_\_\_  
Notary Public

My commission expires:

Date: 1/9/2017

Lei Pan  
Lei Pan, Assignor

STATE OF ARIZONA

County of PIMA, ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 2017, before me, the undersigned notary public, personally appeared Lei Pan, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

\_\_\_\_\_  
Notary Public

My commission expires:

QB\134074.00032\43310651.1