

## 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>
SHIEN-KUEI LIAW	12/24/2014
REN-YOUNG LIU	12/23/2014
HSIANG WANG	12/24/2014
YEN-HUNG LU	12/24/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NATIONAL APPLIED RESEARCH LABORATORIES
<b>Street Address:</b>	3F., NO.106, SEC. 2, HEPING E. RD.
<b>City:</b>	TAIPEI CITY
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	106
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14582422
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)574-5876
<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>	703-268-5992
<b>Email:</b>	zhuoxu83@gmail.com
<b>Correspondent Name:</b>	LI&CAI INTELLECTUAL PROPERTY(USA) OFFICE
<b>Address Line 1:</b>	3057 NUTLEY STREET
<b>Address Line 2:</b>	SUITE 818
<b>Address Line 4:</b>	FAIRFAX, VIRGINIA 22031
<b>ATTORNEY DOCKET NUMBER:</b>	102P001715US
<b>NAME OF SUBMITTER:</b>	ZHUO XU
<b>SIGNATURE:</b>	/ZHUO XU/
<b>DATE SIGNED:</b>	12/24/2014
<b>Total Attachments: 4</b>	
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# ASSIGNMENT DEED

Attorney docket No. 102P001715US

This Assignment agreement is applicable to an invention entitled (invention Title):  
COOLERLESS FIBER LIGHT SOURCE DEVICES FOR HARSH ENVIRONMENTS

The PATENT RIGHTS referred to in this agreement are:

(Check one)

- ☒ a Patent Application for this invention, executed by the ASSIGNOR(S) concurrently with this Assignment  
☐ U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_  
☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

(Check One)

☒ U.S. Patent rights only

☐ worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

I/WE believe that I/WE am/are the original inventor(s) of a claimed invention in the application.

The above-identified Application was made or authorized by me/us.

I/WE hereby acknowledge that any will false statements made in this Assignment is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of sole or first assignor) SHIEN-KUEI LIAW (FAMILY NAME: LIAW)

(Address) NO.2, LN. 257, SEC. 2, HUANNAN RD., PINGZHEN CITY, TAOYUAN COUNTY 324, TAIWAN, R.O.C.

(Full name of second joint assignor) REN-YOUNG LIU (FAMILY NAME: LIU)

(Address) 8F., NO.9, PROSPERITY 1ST RD., EAST DIST., HSINCHU CITY 300, TAIWAN, R.O.C.

(Full name of third joint assignor, if any) HSIANG WANG (FAMILY NAME: WANG)

(Address) 1F., NO.16, ALY. 1, LN. 285, SEC. 1, WENHUA RD., BANQIAO DIST., NEW TAIPEI CITY 220, TAIWAN, R.O.C.

(Full name of fourth joint assignor, if any) YEN-HUNG LU (FAMILY NAME: LU)

(Address) NO.88, GUANGMING ST., EAST DIST., TAINAN CITY 701, TAIWAN, R.O.C.

(Full name of fifth joint assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

☐ Additional assignors are being named on separately numbered sheets attached hereto.

The sole or first ASSIGNEE(S) referred to in this agreement is (or are):

(Name of Assignee) NATIONAL APPLIED RESEARCH LABORATORIES

(Address of Assignee) 3F., NO.106, SEC. 2, HEPING E. RD., TAIPEI CITY 106, TAIWAN, R.O.C.

The sole or first ASSIGNEE is: (Check One)

☐ an individual

☐ a partnership

☒ a Corporation of TAIWAN, R.O.C. (State or Country)

The second ASSIGNEE(S) (if any) referred to in this agreement is (or are):

(Name of Assignee)

(Address of Assignee)

The second ASSIGNEE is: (Check One)

☐ an individual

☐ a partnership

☐ a Corporation of \_\_\_\_\_ (State or Country)

The third ASSIGNEE(S) (if any) referred to in this agreement is (or are):

(Name of Assignee)

(Address of Assignee)

The third ASSIGNEE is: (Check One)

☐ an individual

☐ a partnership

☐ a Corporation of \_\_\_\_\_ (State or Country)

☐ Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;

an equal interest in and to the entire right, title, and interest in and to the PATENT RIGHTS in the invention, and all continuation, continuation-in-part, divisional, re-issue, and re-examination patents and patent applications relating to the PATENT RIGHTS; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and

request(s) the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title, and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination, and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforce proper protection for said invention.


I/WE hereby give our Attorney authorization to insert the Serial Number and filing date of the above-referenced Patent Application when known.

SHIEN-KUEI LIAW (FAMILY NAME: LIAW)

\_\_\_\_\_  
(Signature of sole or first assignor)

\_\_\_\_\_  
(Date)

REN-YOUNG LIU (FAMILY NAME: LIU)

  
\_\_\_\_\_  
(Signature of second assignor, if any)

2014-12-23  
\_\_\_\_\_  
(Date)

HSIANG WANG (FAMILY NAME: WANG)

\_\_\_\_\_  
(Signature of third assignor, if any)

\_\_\_\_\_  
(Date)

YEN-HUNG LU (FAMILY NAME: LU)

\_\_\_\_\_  
(Signature of fourth assignor, if any)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of fifth assignor, if any)

\_\_\_\_\_  
(Date)

request(s) the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title, and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination, and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforce proper protection for said invention.

I/WE hereby give our Attorney authorization to insert the Serial Number and filing date of the above-referenced Patent Application when known.

SHIEN-KUEI LIAW (FAMILY NAME: LIAW)

SHIEN-KUEI LIAW  
(Signature of sole or first assignor)

DEC. 24, 2014  
(Date)

REN-YOUNG LIU (FAMILY NAME: LIU)

\_\_\_\_\_  
(Signature of second assignor, if any)

\_\_\_\_\_  
(Date)

HSIANG WANG (FAMILY NAME: WANG)

HSIANG WANG  
(Signature of third assignor, if any)

DEC. 24, 2014  
(Date)

YEN-HUNG LU (FAMILY NAME: LU)

YEN-HUNG LU  
(Signature of fourth assignor, if any)

DEC. 24, 2014  
(Date)

\_\_\_\_\_  
(Signature of fifth assignor, if any)

\_\_\_\_\_  
(Date)