

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SHOUHUA HUANG	02/11/2015
RECEIVING PARTY DATA		
Name:	CALIFORNIA INSTITUTE OF TECHNOLOGY	
Street Address:	1200 EAST CALIFORNIA AVE	
City:	PASADENA	
State/Country:	CALIFORNIA	
Postal Code:	91125	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14624682	
CORRESPONDENCE DATA		
Fax Number:	(818)393-3160	
<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>		
Phone:	8183547770	
Email:	Mark.W.Homer@nasa.gov	
Correspondent Name:	MARK HOMER	
Address Line 1:	4800 OAK GROVE DR	
Address Line 2:	M/S 180-200	
Address Line 4:	PASADENA, CALIFORNIA 91109	
ATTORNEY DOCKET NUMBER:	NPO-49310-1-CU	
NAME OF SUBMITTER:	MARK HOMER	
SIGNATURE:	/Mark Homer/	
DATE SIGNED:	02/18/2015	
Total Attachments: 1		
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ASSIGNMENT

SHOUHUA HUANG

the ASSIGNOR herein, and the inventor of a new or improved and useful HOLLOW-CORE FIBER LAMP (JPL Docket No. NPO-49310-1-CU), desiring to acquire patent protection therefor and for the existing improvement(s) therein, if any, (referred to hereinafter as the INVENTION), has executed concurrently herewith an application for Letters Patent of the United States of America.

The California Institute of Technology, the ASSIGNEE herein, a corporation organized and existing under the laws of the State of California, and having a place of business at Pasadena, California, desires to acquire the entire right, title and interest in the INVENTION, and all patent application(s) filed or pending, and Letters Patent granted and issued on the INVENTION.

NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which is acknowledged, the ASSIGNOR hereby assigns, transfers, and sets over to the ASSIGNEE, its successors and assigns, the entire right, title and interest in the INVENTION and the aforementioned application for Letters Patent, together with any other application(s), including divisional, continuing and continuations-in-part application(s) of the ASSIGNOR pertaining to or based upon the INVENTION, and any and all Letters Patent which have been or may be granted and issued thereon by the United States of America or foreign countries, together with and including all priority rights deriving from applications subject to this Assignment filed in the United States of America; and

The ASSIGNOR hereby authorizes and empowers the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent in any and all countries foreign to the United States in which applications for Letters Patent, or like protection, for the INVENTION, may be filed; and

The ASSIGNOR agrees, at the request of the ASSIGNEE, to execute any and all domestic and foreign applications for Letters Patent, to execute all other papers and documents and to perform all lawful acts that the requestor may deem necessary or desirable to obtain Letters Patent, to secure the grant of such Letters Patent and to protect and vest in the ASSIGNEE, or its successors or assigns, the entire right, title and interest in the INVENTION.

WITNESS my hand at Pasadena, California 11th day of February, 2015.

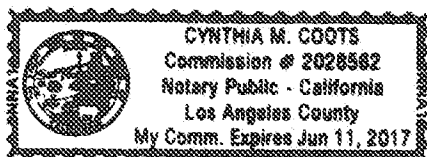
Signature [Signature]

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.

State of CALIFORNIA)
County of LOS ANGELES)

On February 11, 2015 before me, Cynthia M. Coots, Notary Public
personally appeared Shouhua Huang

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



Place Notary Seal Above

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature]

Signature of Notary Public