

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ROBERT L TJOELKER	02/12/2015
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<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14624682
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<b>ATTORNEY DOCKET NUMBER:</b>	NPO-49310-1-CU	
<b>NAME OF SUBMITTER:</b>	MARK HOMER	
<b>SIGNATURE:</b>	/Mark Homer/	
<b>DATE SIGNED:</b>	02/18/2015	
<b>Total Attachments: 1</b>		
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ASSIGNMENT

ROBERT L. TJOELKER

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 this 12<sup>th</sup> day of February, 2015.

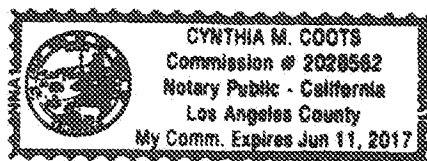
Signature Robert L. Tjoelker

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 12, 2015 before me, Cynthia M. Coats, Notary Public  
personally appeared Robert L. Tjoelker

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 Cynthia M. Coats  
Signature of Notary Public