

## 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>
CHRISTOPHER BULL	03/06/2015
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	PROVIDENCE
<b>State/Country:</b>	RHODE ISLAND
<b>Postal Code:</b>	02912
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14640069
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<b>ATTORNEY DOCKET NUMBER:</b>	B069 P02803-US1
<b>NAME OF SUBMITTER:</b>	JOSHUA A. STOCKWELL
<b>SIGNATURE:</b>	/Joshua A. Stockwell/
<b>DATE SIGNED:</b>	03/06/2015
<b>Total Attachments: 1</b>	
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# PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I,

**Christopher Bull**, a citizen of the United States, residing in Rehoboth, MA;

(hereinafter, "Assignor"), who, having created, and believing myself to be an original inventor of, a certain invention entitled:

## METHOD AND APPARATUS FOR CREATING COHERENT BUNDLE OF SCINTILLATING FIBERS

and for which an application for U.S. Letters Patent was filed as **U.S. Application No. 14640069**, on **March 6, 2015**;

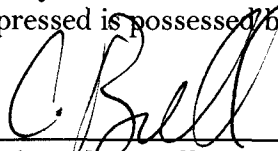
do hereby sell, assign and transfer to:

**Brown University**, located and doing business at Horace Mann Building, 47 George Street, Third Floor, Providence, RI 02912,

(hereinafter, "Assignee"), its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

I authorize Assignee to apply for and receive Letters Patent for such protection in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, but without charge to Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, and extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

  
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**Christopher Bull**

Dated: 6 March 2015