

**PATENT ASSIGNMENT**

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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>
Miles R. Palmer	10/19/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Palmer Labs, LLC
<b>Street Address:</b>	300 Fuller Street
<b>City:</b>	Durham
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27701
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12872364
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	P62622 1041.1 (0028.9)
<b>NAME OF SUBMITTER:</b>	Ryan W. Cagle
<b>Total Attachments: 2</b>	
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**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

PALMER LABS, LLC  
300 Fuller Street  
Durham, NC 27701

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **"APPARATUS AND METHOD FOR COMBUSTING A FUEL AT HIGH PRESSURE AND HIGH TEMPERATURE, AND ASSOCIATED SYSTEM AND DEVICE"**

as set forth in this United States Patent Application

- executed concurrently herewith
- executed on
- Application No. 12/872,364; filed August 31, 2010 and
- Application is a Continuation-in-Part of U.S. Patent Application No. 12/174,074, filed February 26, 2010, which claims priority to U.S. Provisional Patent Application No. 61/155,755 filed February 26, 2009.

(We hereby authorize and request the Assignee and its attorney (Womble Carlyle Sandridge & Rice, PLLC) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned

will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

This Assignment is deemed to be effective at least as early as February 26, 2009, the actual filing date of the earliest U.S. Provisional Application.

10/19/10  
Date

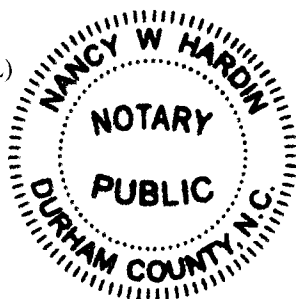
Miles R. Palmer  
Miles R. Palmer

STATE OF North Carolina  
COUNTY OF Durham

Before me, a Notary Public in and for the County and State aforesaid, on this 19<sup>th</sup> day of October, 2010, personally appeared **MILES R. PALMER**, known to me to be the same person whose name is subscribed to the foregoing Patent and Invention Assignment, who being duly sworn acknowledged that he signed, sealed and delivered the said Patent and Invention Assignment as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal.

(SEAL)



Nancy W. Hardin  
NOTARY PUBLIC

My Commission Expires: 4/7/2010