

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Thomas Cawley</td><td>04/19/2011</td></tr><tr><td>Brian Lowery</td><td>04/20/2011</td></tr><tr><td>Timothy F. Miller</td><td>04/19/2011</td></tr><tr><td>John Herr</td><td>04/19/2011</td></tr><tr><td>Martin Klanchar</td><td>04/19/2011</td></tr><tr><td>Daniel H. Kiely</td><td>04/19/2011</td></tr></tbody></table>	Name	Execution Date	Thomas Cawley	04/19/2011	Brian Lowery	04/20/2011	Timothy F. Miller	04/19/2011	John Herr	04/19/2011	Martin Klanchar	04/19/2011	Daniel H. Kiely	04/19/2011	
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RECEIVING PARTY DATA															
Name:	The Penn State Research Foundation														
Street Address:	304 Old Main														
City:	University Park														
State/Country:	PENNSYLVANIA														
Postal Code:	16802														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13084905</td></tr></tbody></table>	Property Type	Number	Application Number:	13084905											
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Application Number:	13084905														
CORRESPONDENCE DATA															
Fax Number:	(248)647-5210														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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NAME OF SUBMITTER:	Mark A. Harper														
Total Attachments: 3 source=assignment#page1.tif source=assignment#page2.tif source=assignment#page3.tif															

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PATENT  
REEL: 026235 FRAME: 0913

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Thomas Cawley; Brian Lowery; Timothy F. Miller; John Herr; Martin Klanchar; and Daniel H. Kiely (hereinafter referred to as Assignors), residing at 2730 West Pine Grove Road, Pennsylvania Furnace, Pennsylvania 16865; 1071 Seibert Rd., Bellefonte, Pennsylvania 16823; 1743 Cambridge Drive, State College, Pennsylvania 16803; 1769 Purdue Mtn. Rd., Bellefonte, Pennsylvania 16823; 271 Leawood Lane, State College, Pennsylvania 16803; and 1313 Park Hills Avenue, State College, Pennsylvania 16803, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in ALUMINIUM COMBUSTION POWER SYSTEM, set forth in a Utility application for Letters Patent of the United States, filed herewith; and

**WHEREAS**, The Penn State Research Foundation, a non-profit organization organized under and pursuant to the laws of Pennsylvania having its principal place of business at 304 Old Main, University Park, Pennsylvania 16802 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent

may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Utility application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

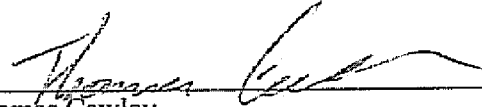
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

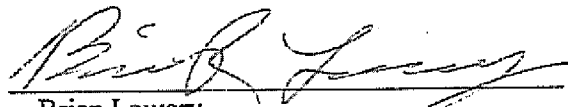
with the rules of the United States Patent and Trademark Office for recordation of this document:

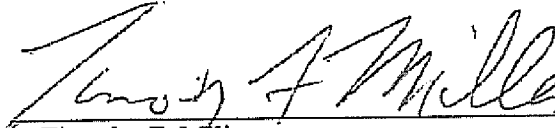
GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

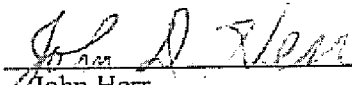
All practitioners at Customer Number 25006

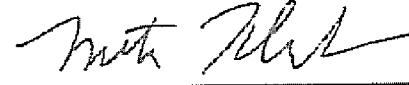
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

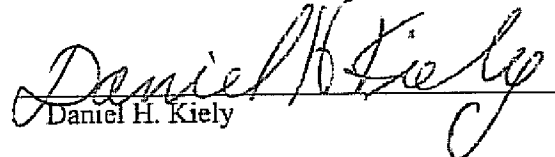
Date: 19 April 2011 Signature:   
Thomas Cawley

Date: 4/20/2011 Signature:   
Brian Lowery

Date: 4/19/11 Signature:   
Timothy F. Miller

Date: 4/19/2011 Signature:   
John Herr

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