

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Robert S. Pfeiffer</td><td>03/10/2006</td></tr><tr><td>Glenn A. Ulrich</td><td>03/10/2006</td></tr><tr><td>Gary Vanzin</td><td>03/10/2006</td></tr></tbody></table>		Name	Execution Date	Robert S. Pfeiffer	03/10/2006	Glenn A. Ulrich	03/10/2006	Gary Vanzin	03/10/2006
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Robert S. Pfeiffer	03/10/2006								
Glenn A. Ulrich	03/10/2006								
Gary Vanzin	03/10/2006								
RECEIVING PARTY DATA									
Name:	LUCA Technologies, LLC								
Street Address:	500 Corporate Circle, Suite C								
City:	Golden								
State/Country:	COLORADO								
Postal Code:	80401								
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>12127076</td></tr></tbody></table>		Property Type	Number	Application Number:	12127076				
Property Type	Number								
Application Number:	12127076								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Eugene J. Bernard								
Total Attachments: 1 source=Assn1101#page1.tif									

CH \$40.00 12127076

PATENT

500550370

REEL: 021007 FRAME: 0368

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Robert S. Pfeiffer of 5970 N. Belmont Way, Parker, CO 80134; Glenn A. Ulrich of 5091 Pine Ridge Drive, Golden, CO 80403; and Gary Vanzin of 12134 W. 85th Avenue, Arvada, CO 80005, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: THERMACETOGENIUM PHAEUM CONSORTIUM FOR
THE PRODUCTION OF MATERIALS WITH ENHANCED
HYDROGEN CONTENT

Date(s) of execution of Declaration:

Filing Date: January 11, 2006

Application No.: 11/330,759; and

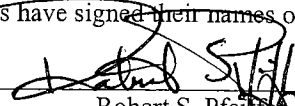
WHEREAS, LUCA Technologies, LLC, located at 500 Corporate Circle, Suite C, Golden, CO 80401, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

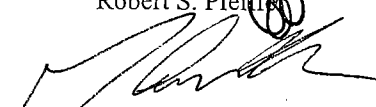
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

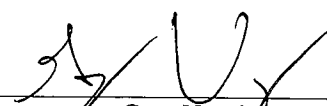
Dated: 3/10/06


Robert S. Pfeiffer

Dated: 3/10/06


Glenn A. Ulrich

Dated: 3/10/06


Gary Vanzin

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