

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Birol Aktas</td> <td>01/02/2007</td> </tr> <tr> <td>Robert James</td> <td>12/22/2006</td> </tr> <tr> <td>Carlton W Clark</td> <td>12/22/2006</td> </tr> <tr> <td>William Earl Russell II</td> <td>12/22/2006</td> </tr> </tbody> </table>		Name	Execution Date	Birol Aktas	01/02/2007	Robert James	12/22/2006	Carlton W Clark	12/22/2006	William Earl Russell II	12/22/2006
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Robert James	12/22/2006										
Carlton W Clark	12/22/2006										
William Earl Russell II	12/22/2006										
RECEIVING PARTY DATA											
Name:	Global Nuclear Fuel-Americas, LLC										
Street Address:	3901 Castle Hayne Road										
Internal Address:	M/C A11										
City:	Wilmington										
State/Country:	NORTH CAROLINA										
Postal Code:	28401										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11644498</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11644498						
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CORRESPONDENCE DATA											
Fax Number:	(703)688-8200										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	7036688000										
Email:	dhoward@hdp.com										
Correspondent Name:	Harness, Dickey & Pierce PLC										
Address Line 1:	11730 Plaza America Drive, Suite 600										
Address Line 4:	Reston, VIRGINIA 20190										
ATTORNEY DOCKET NUMBER:	8564-000127/US										
NAME OF SUBMITTER:	David L. Howard										

CH \$40.00 11644498

Total Attachments: 3

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ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which we acknowledge receipt, we, Birol Aktas of 709 Royal Bonnet Drive, Wilmington, NC 28405, Robert James of 209 Madeline Drive, Wilmington, NC 28405 and Carlton W. Clark of 417 Lynette Drive, Wilmington, NC 28409, William Earl Russell, II, of 1044 Arboretum Drive, Wilmington, NC 28405, hereby sell and assign to Global Nuclear Fuel – Americas, LLC, a Delaware Limited Liability Company, (hereinafter referred to as “Company”), having an address at 3901 Castle Hayne Road, M/C A11, Wilmington, NC 28401, USA, (hereinafter referred to as “Company”), its successors and assigns our entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by us and described in the application for United States Patent currently entitled

**FUEL SUPPORT AND METHOD FOR MODIFYING COOLANT
FLOW IN A NUCLEAR REACTOR**

signed as of even date, and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, I/we will communicate to said Company or its representatives or nominees any facts known to me/us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

Inventor 1:

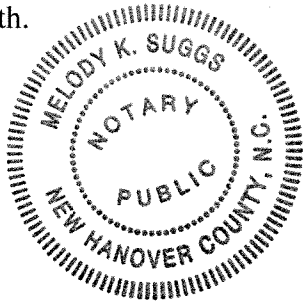
BA
Biol AKTAS

Date: 1/2/2007

State of North Carolina
County of New Hanover

This 2nd day of January, 2007, before me personally came the above named Biol Aktas, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal



Melody K. Suggs
(Notary Public)

My Commission expires: 10-27-2008

Inventor 2:

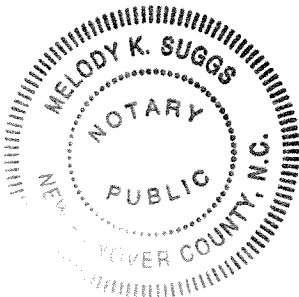
Robert James
Robert JAMES

Date: 12/22/06

State of North Carolina
County of New Hanover

This 22nd day of December, 2006, before me personally came the above named Robert James, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal



Melody K. Suggs
(Notary Public)

My Commission expires: 10-27-2008

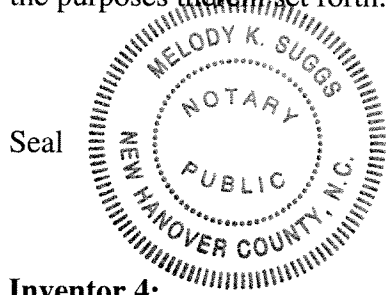
Inventor 3:

Carlton W. Clark
Carlton W. CLARK

Date: 12/21/06

State of North Carolina
County of New Hanover

This 22nd day of December, 2006, before me personally came the above named Carlton W. Clark, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Melody K. Suggs
(Notary Public)
My Commission expires: 10-27-2008

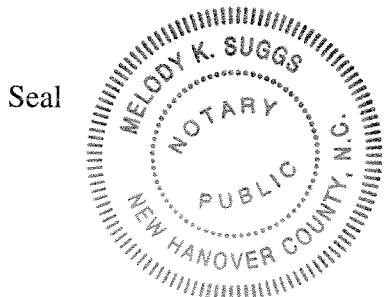
Inventor 4:

William Earl Russell, II
William Earl RUSSELL, II

Date: 12/22/2006

State of North Carolina
County of New Hanover

This 22nd day of December, 2006, before me personally came the above named William Earl Russell, II, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Melody K. Suggs
(Notary Public)
My Commission expires: 10-27-2008

Global Nuclear Fuel – Americas, LLC
3901 Castle Hayne Road
Wilmington, NC 28401