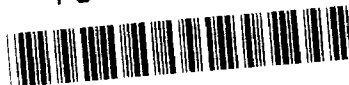


10-20-2006



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207352-1

HDP Docket No. 8564-000116/US

Express Mail Label No. EV 639017175 US

To the Director of the U.S. Patents and Trademark Office

103324872

Indicate the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

William Earl Russell II
Robert Haughton

2. Name and address of receiving party(ies)

Name: Global Nuclear Fuel-Americas, LLC.

Internal Address:

Street Address: 3901 Castle Hayne Road, M/C A11

City: Wilmington

State: NC

Country: USA Zip: 28401

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date(s) 13 October 2006

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: David L. Howard

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: 11730 Plaza America drive, Suite 600

City: Reston

State: VA Zip: 20190

Phone Number: (703) 668-8000

Fax Number: (703) 668-8200

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged by check
☒ Enclosed *Not enclosed*
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 08-0750

Authorized User Name _____

9. Signature:

David L. Howard, Reg No. 41,502

Date 10/16/06

Total number of pages including cover sheet, attachments, and documents

4

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5991 or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

EV 639017175

PATENT
REEL: 018449 FRAME: 0122

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, William Earl Russell II of 1044 Arboretum Drive, Wilmington, NC, 28405, and Robert Haughton of 1700 SE Harbor Ln, Wilmington, NC 28409-4806, 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 RODS FOR NUCLEAR REACTOR FUEL ASSEMBLIES
AND METHODS OF MANUFACTURING THEREOF**

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.

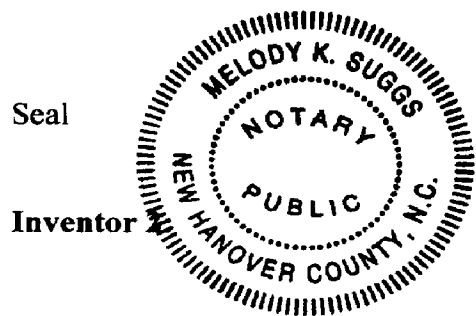
Inventor 1:

William Earl Russell II
William Earl RUSSELL II

Date: 10/13/2006

State of North Carolina
County of New Hanover

This 13th day of October, 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)

Robert HAUGHTON

Date: _____

State of _____
County of _____

This _____ day of _____, 20____, before me personally came the above named Robert HAUGHTON, 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

(Notary Public)

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

Inventor 1:

William Earl RUSSELL II

Date: _____

State of _____
County of _____

This _____ day of _____, 20____, 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.

Seal _____
(Notary Public)

Inventor 2:

Robert Haughton
Robert HAUGHTON

Date: October 13, 2006

State of _____
County of _____

This _____ day of _____, 20____, before me personally came the above named Robert HAUGHTON, 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 _____
(Notary Public)

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