

422-05

RECOF

04-27-2005

To the Honorable
Please record this



marks:
thereof.

102989903

1. Name of conveying party(ies):

- 1) David Joseph KROPACZEK
- 2) Mehdi ASGARI
- 3) Matthew Anderson JESSEE

Additional name(s) of conveying party(ies) attached?
☐ YES ☐ NO

2. Name and address of receiving party(ies)

Name: Global Nuclear Fuel - Americas, LLC

Street Address: 3901 Castle Hayne Road

City: Wilmington, Delaware

Country: U.S.A.

Postal Code: 28401

Additional name(s) & address(es) attached? ☐ YES ☒ NO

3. Nature of conveyance:

- ☒ Assignment ☐ Merger ☐ Security Agreement
☐ Change of Name ☐ Other:

Execution Date: January 7, 2005, January 7, 2005 and
January 7, 2005, respectively.

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

11/024,973

B. Patent No.(s).

Additional numbers attached? ☐ YES ☒ NO

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

Name: HARNESS, DICKEY & PIERCE, P.L.C.

Street Address: P.O. BOX 8910

City: RESTON State: VA ZIP: 20195

Country: USA

6. Total No. of applications/patents involved: One (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account,
if no fee attached.

8. Deposit account number: 08-0750

(Attach triplicate copy of this page
if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Matthew J. Lattig/45,274
Name of Person Signing/Reg. No.

[Signature]
Signature

April 22, 2005
Date

Total number of pages including cover sheet, attachments, and document: FIVE (5)

04/26/2005 GTON11 00000045 11024973

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40.00 OP

MJF/lak

PATENT
REEL: 016486 FRAME: 0661

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 I/we acknowledge receipt, I/we, **David Joseph KROPACZEK** of **637 Robert E Lee Drive, Wilmington, NC 28412**, **Mehdi ASGARI** of **4321 Aftonshire Drive, Wilmington, NC 28412** and **Matthew Anderson JESSEE** of **4821 Sturnebrook Road, Apt. 301, Raleigh, NC 27612**, hereby sell and assign to Global Nuclear Fuel – Americas LLC, a Delaware Limited Liability Company, (hereinafter referred to as "Company"), its successors and assigns the entire right, title and interest in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled **METHOD OF DETERMINING A FRESH FUEL BUNDLE DESIGN FOR A CORE OF A NUCLEAR REACTOR**

☐ signed as of even date,

☐ signed as of _____, or

☒ X filed on December 30, 2004 having Serial Number (Unassigned)

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 **David Joseph KROPACZEK**

David Joseph Kropaczek Date: 1/7/2005

State of North Carolina
County of New Hanover

This 7th day of January, 2005, before me personally came the above named

David Joseph Kropaczek 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)

Sandra Black

My Commission Expires July 25, 2009

Page 1 of 2

Inventor 2 **Mehdi ASGARI**

Mehdi Asgari Date: 11/7/2005

State of North Carolina
County of New Hanover

This 7th day of January, 2005, before me personally came the above named
Mehdi Asgari 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)

Sandra Blackburn

My Commission Expires July 25, 2009

Inventor 3 **Matthew Anderson JESSEE**

Date: _____

State of _____
County of _____

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

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Inventor 1 **David Joseph KROPACZEK**

_____ Date: _____

State of _____
County of _____

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Seal

(Notary Public)

Inventor 2 **Mehdi ASGARI**

Date: _____

State of _____
County of _____

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Seal _____
(Notary Public)

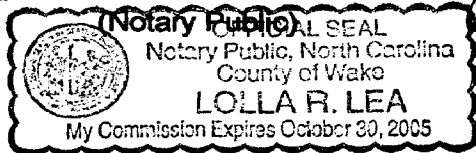
Inventor 3 **Matthew Anderson JESSEE**

Matthew A. Jessee Date: 11/7/2005

State of North Carolina
County of Wake

This 7th day of January, 2005, before me personally came the above named
Matthew A. Jessee 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)



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Wilmington, NC 28401