

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Birol AKTAS	09/30/2009
RECEIVING PARTY DATA	
Name:	Global Nuclear Fuel - Americas, LLC
Street Address:	3901 Castle Hayne Road
City:	Wilmington
State/Country:	NORTH CAROLINA
Postal Code:	28401
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12572491
CORRESPONDENCE DATA	
Fax Number:	(703)668-8200
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 4:	RESTON, VIRGINIA 20195
ATTORNEY DOCKET NUMBER:	24GA233254 (8564-176)
NAME OF SUBMITTER:	Ryan E. Alley
Total Attachments: 2 source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif	

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PATENT
REEL: 023318 FRAME: 0833

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, **Birol AKTAS** of Wilmington, NC, hereby sell and assign to **Global Nuclear Fuel – Americas, LLC**, 3901 Castle Hayne Road, Wilmington, NC 28401 (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 **FUEL BUNDLE DESIGNS USING MIXED SPACER TYPES**.

X signed as of even date,

☐ signed as of [date], or

☐ filed on [date] having Serial Number [Serial Number]

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.

First Inventor: **Birol AKTAS**

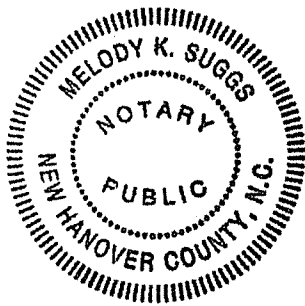
[Signature] Date: 9/30/2009

State of North Carolina
County of New Hanover

SS:

This 30th day of September, 2009, before me personally came the above named Birol Aktas to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Seal



Melody K. Suggs
Notary Public

My commission expires: 10-27-2013