

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	03/28/2002
CONVEYING PARTY DATA	
Name	Execution Date
British Nuclear Fuels plc	10/13/2006
RECEIVING PARTY DATA	
Name:	BNFL (IP) Limited
Street Address:	1100 Daresbury Park, Daresbury
City:	Warrington
State/Country:	UNITED KINGDOM
Postal Code:	WA4 4GB
PROPERTY NUMBERS Total: 8	
Property Type	Number
Patent Number:	5607648
Patent Number:	5723100
Patent Number:	6805253
Application Number:	10969853
Application Number:	11208357
Patent Number:	6825483
Patent Number:	6770897
Patent Number:	6272197
CORRESPONDENCE DATA	
Fax Number:	(202)637-3593
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	202-383-0100
Email:	eteas@sablaw.com
Correspondent Name:	Elisabeth Langworthy, Sutherland Asbill

CH \$320.00 5607648

500266351

PATENT  
REEL: 019215 FRAME: 0495

Address Line 1:	1275 Pennsylvania Ave, NW
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20004-2415

ATTORNEY DOCKET NUMBER:	12197-047
-------------------------	-----------

NAME OF SUBMITTER:	Elisabeth A. Langworthy
--------------------	-------------------------

Total Attachments: 5 source=BNFL IP Ltd. assignment_1#page1.tif source=BNFL IP Ltd. assignment_1#page2.tif source=BNFL IP Ltd. assignment_1#page3.tif source=BNFL IP Ltd. assignment_1#page4.tif source=BNFL IP Ltd. assignment_1#page5.tif
--

## **ASSIGNMENT NUNC PRO TUNC**

---

WHEREAS, **British Nuclear Fuels plc**, a company organized and existing under the laws of England with the number 0100267, whose registered office is at 1100 Daresbury Park, Daresbury, Warrington, Cheshire, WA4 4GB, UK (hereinafter "ASSIGNOR"), owned certain inventions and improvements disclosed in the Patents and Patent Applications listed on Schedule A hereto (hereinafter the PATENTS & PATENT APPLICATIONS); and

WHEREAS, in accordance with an Assignment of Patents dated 28 March 2002 in respect of certain property, rights and liabilities of British Nuclear Fuels plc in favor of **BNFL (IP) Limited**, a company organized and existing under the laws of England with the number 4394355, whose registered office is at 1100 Daresbury Park, Daresbury, Warrington, Cheshire, WA4 4GB, UK (hereinafter, "ASSIGNEE"), ASSIGNEE obtained the full, exclusive and entire right, title, and interest in and to said PATENTS & PATENT APPLICATIONS and the inventions and improvements disclosed and described therein;

WHEREAS, ASSIGNOR and ASSIGNEE now desire to enter into this Assignment Nunc Pro Tunc formalizing the prior transfer to ASSIGNEE of the said PATENTS & PATENT APPLICATIONS and the inventions and improvements disclosed and described therein in a form acceptable for recordation by the respective patent office and publication in compliance with legal stipulations.

NOW, THEREFORE, for and in consideration of the amount of £ 10 and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents did sell, assign and transfer unto ASSIGNEE, effective as of 28 March 2002, the full, exclusive and entire right, title, and interest in and to said PATENTS & PATENT APPLICATIONS, in and to any provisionals, nonprovisionals, divisions, continuations, and reissues of said PATENTS & PATENT APPLICATIONS, in and to all inventions and improvements disclosed and described in said PATENTS & PATENT APPLICATIONS, in and to any Letters Patent granted on said PATENTS & PATENT APPLICATIONS and any provisionals, nonprovisionals, divisions, continuations, and reissues thereof, including the right to sue for damages and other remedies in respect of any infringement of the PATENTS which may have occurred before the effective date of this assignment;

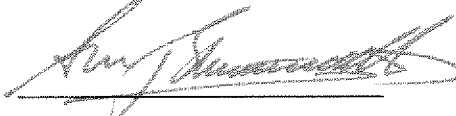
AND, for the same consideration, ASSIGNOR agrees to sign all lawful papers, execute all divisional, continuing, reissue and other applications, and make all assignments and rightful oaths, reasonably to aid ASSIGNEE, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements.

ASSIGNOR further agrees that all necessary records of ASSIGNOR to establish priority of invention in any interference or similar proceeding will be made available at no additional charge to ASSIGNEE, in the event such records exist and are needed in connection with any of the assigned Letters Patent or applications for Letters Patent.

This Assignment is expressly made NUNC PRO TUNC to have the same legal force and effect as if executed on 28 March 2002.

IN WITNESS WHEREOF, the undersigned has caused this Assignment to be executed by its duly authorized officers this 13<sup>th</sup> day of October, 2006.

ASSIGNOR:



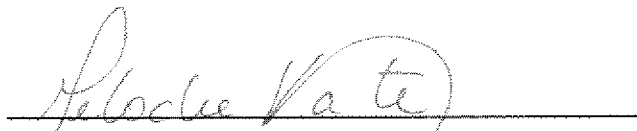
By: Alvin J. Shuttleworth

Position: Company Secretary

### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF District of Columbia  
COUNTY OF                     

Before me, the undersigned attesting officer duly authorized to administer oaths, a Notary Public, on this 13<sup>th</sup> day of October, 2006, personally appeared Alvin Shuttleworth, to me known personally, and who, being by me duly sworn, deposes and says that he is the Company Secretary of British Nuclear Fuels plc, and that said instrument was signed on behalf of said company by authority of its Board of Directors, and said Alvin Shuttleworth acknowledged said instrument to be the free act and deed of said company.



NOTARY PUBLIC

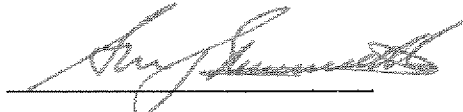
(SEAL)

My Commission Expires:

Melodie Kate  
Notary Public, District of Columbia  
My Commission Expires 11-30-2008

IN WITNESS WHEREOF, the undersigned has caused this Assignment to be executed by its duly authorized officers this 13<sup>th</sup> day of October, 2006.

ASSIGNEE:



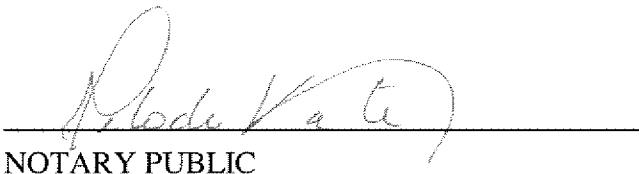
By: Alvin J. Shuttleworth

Position: Company Secretary

### CERTIFICATE OF ACKNOWLEDGEMENT

STATE OF District of Columbia  
COUNTY OF \_\_\_\_\_

Before me, the undersigned attesting officer duly authorized to administer oaths, a Notary Public, on this 13<sup>th</sup> day of October, 2006, personally appeared Alvin Shuttleworth, to me known personally, and who, being by me duly sworn, deposes and says that he is the Company Secretary of BNFL (IP) Limited, and that said instrument was signed on behalf of said company by authority of its Board of Directors, and said Alvin Shuttleworth acknowledged said instrument to be the free act and deed of said company.

  
NOTARY PUBLIC

(SEAL)

My Commission Expires:

Melodie Kate  
Notary Public, District of Columbia  
My Commission Expires 11-30-2008

## **SCHEDULE A**

### **Intellectual Property**

<b>Title</b>	<b>Application Number/Patent Number</b>
Rotary Kilns	U.S. Patent No. 5,607,648 European Patent No. 0649339 (France, Great Britain, Germany, Spain, Sweden) Japanese Patent No. 3452360
The Oxidation of Uranium Hexafluoride	European Patent No. 0712379 (France, Great Britain, Germany, Spain) Japanese Patent Application No. 1995050010
Nuclear Fuel Pellet (Functionally Grade UO <sub>2</sub> Fuel Pellets)	European Patent No. 1097461 (Belgium, France, Great Britain, Germany, Spain, Sweden) Japanese Patent Application No. 2000-5577478
Uranium Oxide Production	U.S. Patent No. 5,723,100 European Patent No. 0712380 (France, Great Britain, Germany, Spain)
Spacer Grids for Nuclear Fuel Elements (Hexagonal Fuel Spacer Grid)	Czech Republic Patent No. 0283375 Finland Patent No. 113101 Great Britain Patent No. 2277191 Hungary Patent No. 0214389
Device for Holding Down a Set of Core Fuel Rods (Top Nozzle)	Czech Republic Patent No. 0283908 Finland Patent No. 941679 Hungary Patent No. 0214386 Slovakia Patent No. 280733
A Protective Casing (Overpack for Hex Cylinder)	U.S. Patent No. 6,805,253 European Patent No. 1075697 (France, Great Britain)
Coolant Mixing Grid for Nuclear Fuel Assembly (Improved Inter-Span Grid)	U.S. Patent No. 6,272,197 Japanese Patent Application No. 10-535133
Container For Nuclear Fuel Transportation (Transport Container)	U.S. Application No. 10/969,835 U.S. Application No. 11/208,357 U.S. Patent No. 6,825,483 U.S. Patent No. 6,770,897 Canada Patent No. 2251895 European Patent No. 0896721 (Belgium, France, Great Britain, Spain, Sweden) Japanese Patent Application No. 9-539638 Korean Patent Application No. 98-708818 Korean Patent Application No. 2005-7014985 South Africa Patent No. 97/3788