

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MAXIME ZABIEGO</td> <td>01/09/2014</td> </tr> <tr> <td>CEDRIC SAUDER</td> <td>01/09/2014</td> </tr> <tr> <td>CHRISTOPHE LORRETTE</td> <td>01/09/2014</td> </tr> <tr> <td>PHILIPPE GUEDENEY</td> <td>01/09/2014</td> </tr> </tbody> </table>	Name	Execution Date	MAXIME ZABIEGO	01/09/2014	CEDRIC SAUDER	01/09/2014	CHRISTOPHE LORRETTE	01/09/2014	PHILIPPE GUEDENEY	01/09/2014	
Name	Execution Date										
MAXIME ZABIEGO	01/09/2014										
CEDRIC SAUDER	01/09/2014										
CHRISTOPHE LORRETTE	01/09/2014										
PHILIPPE GUEDENEY	01/09/2014										
RECEIVING PARTY DATA											
Name:	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES										
Street Address:	25 RUE LEBLANC BATIMENT "LE PONANT D"										
City:	75015 PARIS										
State/Country:	FRANCE										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Application Number:	14236189										
CORRESPONDENCE DATA											
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Address Line 2:	SUITE 1200										
Address Line 4:	CLEVELAND, OHIO 44114-3108										
ATTORNEY DOCKET NUMBER:	BRV-51789										
NAME OF SUBMITTER:	AARON A. FISHMAN										
Signature:	/Aaron A. Fishman/										

Date:

01/30/2014

**Total Attachments: 6**

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## ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in  
**IMPROVED MULTILAYER TUBE IN CERAMIC MATRIX COMPOSITE MATERIAL,  
RESULTING NUCLEAR FUEL CLADDING AND ASSOCIATED MANUFACTURING  
PROCESSES**

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below, which application is further identified as Pearne & Gordon LLP Docket No. BRV-51789.

WHEREAS, Commissariat à l'énergie atomique et aux énergies alternatives, a corporation of FRANCE, having a place of business at 25 rue Leblanc Bâtiment "Le Ponant D" 75015 PARIS FRANCE, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.


**PATENT**

**REEL: 032095 FRAME: 0596**

The undersigned hereby grants the firm of Pearne & Gordon LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name: ZABIEGO Maxime

Signature: 

Today's Date: January 9, 2014

Date I Signed Declaration: January 9, 2014

Witness: S. LEGRAIN 

Witness: N. HERBLIN 

(2) Inventor Name: SAUDER Cédric

Signature: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Date I Signed Declaration: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(3) Inventor Name: LORRETTE Christophe

Signature: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Date I Signed Declaration: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(4) Inventor Name: GUEDENEY Philippe

Signature: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Date I Signed Declaration: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(5) Inventor Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Date I Signed Declaration: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(6) Inventor Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Date I Signed Declaration: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

## ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in **IMPROVED MULTILAYER TUBE IN CERAMIC MATRIX COMPOSITE MATERIAL, RESULTING NUCLEAR FUEL CLADDING AND ASSOCIATED MANUFACTURING PROCESSES**

and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below, which application is further identified as Pearne & Gordon LLP Docket No. BRV-51789.

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NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

**PATENT**

**REEL: 032095 FRAME: 0599**

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Signature: \_\_\_\_\_

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Witness: \_\_\_\_\_

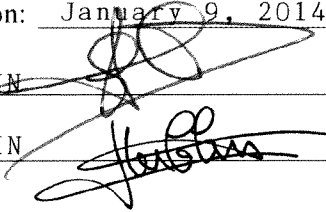
Witness: \_\_\_\_\_

(2) Inventor Name: SAUDER Cédric

Signature: 

Today's Date: January 9, 2014

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Witness: S. LEGRAIN 

Witness: N. HERBLIN

(3) Inventor Name: LORRETTE Christophe

Signature: 

Today's Date: January 9, 2014

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Witness: N. HERBLIN

(4) Inventor Name: GUEDENEY Philippe

Signature:



Today's Date: January 9, 2014

Date I Signed Declaration: January 9, 2014

Witness: S. LEGRAIN



Witness: N. HERBLIN



(5) Inventor Name:

Signature:

Today's Date:

Date I Signed Declaration:

Witness:

Witness:

(6) Inventor Name:

Signature:

Today's Date:

Date I Signed Declaration:

Witness:

Witness: