

PATENT ASSIGNMENT

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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>Christophe LORRETTE</td> <td>08/08/2012</td> </tr> <tr> <td>Daniel NUNES</td> <td>08/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Christophe LORRETTE	08/08/2012	Daniel NUNES	08/08/2012
Name	Execution Date						
Christophe LORRETTE	08/08/2012						
Daniel NUNES	08/08/2012						
RECEIVING PARTY DATA							
Name:	Commissariat a l'energie atomique et aux energies alternatives						
Street Address:	25, rue Leblanc Batiment "Le Ponant D"						
City:	Paris						
State/Country:	FRANCE						
Postal Code:	75015						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12564281</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12564281		
Property Type	Number						
Application Number:	12564281						
CORRESPONDENCE DATA							
Fax Number:	2165796073						
Phone:	216-579-1700						
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Jeffrey J. Sopko / Pearne & Gordon LLP						
Address Line 1:	1801 East 9th Street						
Address Line 2:	Suite 1200						
Address Line 4:	Cleveland, OHIO 44114-3108						
ATTORNEY DOCKET NUMBER:	BRV-49861						
NAME OF SUBMITTER:	Jeffrey J. Sopko						
Total Attachments: 3 source=BRV-49861-ASSIGNMENT#page1.tif source=BRV-49861-ASSIGNMENT#page2.tif source=BRV-49861-ASSIGNMENT#page3.tif							

CH \$40.00 12564281

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in
**IMPROVED PROCESS FOR FABRICATION OF A PART WITH TUBULAR
GEOMETRY MADE FROM A CERAMIC MATRIX COMPOSITE MATERIAL**

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-49861.

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.

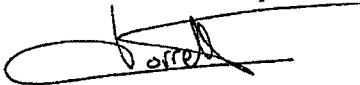
NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, 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.

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.

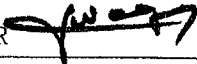
IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

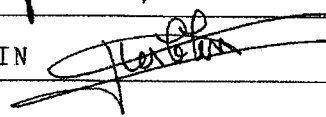
(1) Inventor Name: LORRETTE Christophe

Signature: 


Today's Date: August 8, 2012

Date I Signed Declaration: August 8, 2012

Witness: Sylvia WAGNER 


Witness: Nathalie HERBLIN 

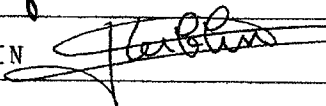
(2) Inventor Name: NUNES Daniel

Signature: 


Today's Date: August 8, 2012

Date I Signed Declaration: August 8, 2012

Witness: Sylvia WAGNER 

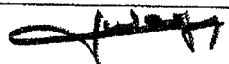
Witness: Nathalie HERBLIN 

(3) Inventor Name: SAUDER Cédric

Signature: 

Today's Date: August 8, 2012

Date I Signed Declaration: August 8, 2012

Witness: Sylvia WAGNER 

Witness: Nathalie HERBLIN 