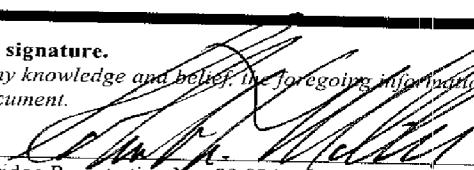


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1. A. Name of conveying party: SNPE 12, Quai Henri IV, 75181 Paris, Cedex 04 B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. A. Name and address of receiving party: SNPE Matériaux Energétiques 12, Quai Henri IV, 75004 Paris, France B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ B. Execution Date: <u>May 23, 2005</u>					
4. A. Patent Application Nos. <u>07/757,034 and 06/879,482</u>			B. Patent Nos. <u>4,661,608; 4,647,628; 4,668,313; 5,034,072; 5,085,717; 5,187,319; 5,189,247; 5,320,043; 5,525,171; 5,610,444; and 5,659,032.</u>		
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>William P. Berridge</u>  Address: <b>OLIFF &amp; BERRIDGE, PLC</b> <b>P.O. Box 19928</b> <b>Alexandria, VA 22320</b> <b>Phone Number: 703-836-6400</b> <b>Fax Number: 703-836-2787</b>			6. Total number of applications and patents involved: <u>13</u> 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of <u>\$520.00</u> . 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.		
9. <b>Statement and signature.</b> <i>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.</i>  William P. Berridge Registration No. 30,024 Robert A. Miller Registration No. 32,771 Date: <u>June 14, 2005</u>					

CH \$520.00 150461 06879482

ASSIGNMENT

WHEREAS, SNPE, a company established under the laws of France whose address is 12, Quai Henri IV, 75181 Paris, Cedex 04, France, (hereinafter called "Assignor") is the owner by assignment duly recorded in the United States Patent and Trademark Office at the Reel and Frames indicated below of the following United States Letters Patents (hereinafter called "Patent Properties"):

<u>Application or Patent Number and Date of Filing or Issue</u>	<u>Named Inventors</u>	<u>Reel and Frame</u>
4,661,608 issued April 28, 1987	Jean-Claude C. GAUTIER Serge F. RAYNAL	004424/0877
4,647,628 issued March 3, 1987	Jean-Claude C. GAUTIER Michel H. FONTANILLE Serge F. RAYNAL	004425/0181
4,668,313 issued May 26, 1987	Jean-Claude C. GAUTIER Michel H. FONTANILLE Serge F. RAYNAL	004425/0181
5,034,072 issued July 23, 1991	Alain BECUWE	004580/0232
5,085,717 issued February 4, 1992	Jean-Daniel M. BERARD Bernard E. FINCK Gerard DORIATH Christian M. PERUT	005955/0895
5,187,319 issued February 16, 1993	Bruno NOUGUEZ Yves BIGOT Jacky GROUX Jean-Claude DERRIEN	005838/0438
5,189,247 issued February 23, 1993	Michel ANDRE Jean-Pierre MAZER Bruno NOUGUEZ	005806/0449

5,320,043 issued June 14, 1994	Michel ANDRE Jean-Pierre MAZER Bruno NOUGUEZ	006570/0015
5,525,171 issued June 11, 1996	Bernard FINCK Alain LEFUMEUX Christian PEROTTO	007195/0387
5,610,444 issued March 11, 1997	Herve AUSTRUY Jean GRIGNON Jean-Michel TAUZIA	007957/0802
5,659,032 issued August 19, 1997	Genevieve ECK Marc PITEAU	007455/0602
07/757,034 filed September 9, 1991	Bruno NOUGUEZ Yves BIGOT Jacky GROUX Jean-Claude DERRIEN	005838/0438
06/879,482 filed June 27, 1986	Alain BECUWE	004580/0232

The undersigned has reviewed all the documents in the chain of title identified above; and to the best of the undersigned's knowledge and belief, title is in the Assignor. The undersigned is empowered to sign this Assignment on behalf of the Assignor.

WHEREAS, SNPE Matériaux Energétiques, a company established under the laws of France, whose address is 12, Quai Henri IV, 75004, Paris, France, (hereinafter called "Assignee") is desirous of acquiring the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), and any confirmations, divisions, continuations, reexaminations, reissues or extensions of the same.

Now, To All Whom It May Concern: Be it known that for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, assign, transfer and set over, unto Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent

Properties, and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof, the same to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of said Patent Properties with the right to sue for and collect the same for its own use and for the use of its successors, assigns and legal representatives.

Assignor agrees that this assignment is binding on Assignor and its heirs, successors, assigns and legal representatives.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any Letters Patent of the United States, resulting from said Patent Properties and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof, to Assignee.

Assignor agrees to execute all papers necessary in connection with any interference which may be declared concerning said Patent Properties (and/or patents that may be granted therefrom), or any confirmation, division, continuation, reexamination or reissue thereof, and to cooperate with Assignee in every way possible in obtaining evidence and going forward with such interference.

Assignor covenants that it has full right to convey the interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

Assignor agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Assignor agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to Assignee.

Assignor grants the firm of OLIFF & BERRIDGE, PLC of Alexandria, Virginia 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.

This Assignment is effective as of the 23<sup>rd</sup> day of May, 2005

~~Signature~~  
Witness

~~Signature~~  
Signature  
Officer of Assignor

Michel Riessel  
Witness

François SCHWARTZ  
Typewritten Name of Officer

iem

Senior Vice President Finance and Legal  
Title of Officer