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1. A. Name of conveying party:
SNPE
12, Quai Henri IV
75004 Paris, France

B. Additional name(s) of conveying party(ies) attached?
 Yes 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?
 Yes No

3. A. Nature of conveyance:

Assignment Merger
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B. Execution Date: December 31, 2002

B. Additional name(s) & address(es) attached?
 Yes No

4. A. Patent Application No. 10/182,813; 10/341,412;
10/345,207; 10/655,303; and 10/659,306

B. Patent No. 6,666,140

Additional numbers attached? Yes No

B. Patent No. 6,666,140

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

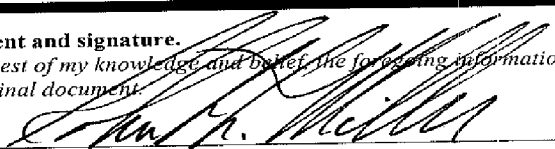
Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 19928
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Phone Number: 703-836-6400
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6. Total number of applications and patents involved: 6

7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$240.00.

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9. **Statement and signature.**
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.



 William P. Berridge Registration No. 30,024
 Robert A. Miller Registration No. 32,771

Date: June 28, 2004

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USA

ASSIGNMENT

WHEREAS, SNPE, a company established under the laws of France whose address is 12, Quai Henri IV, 75004 Paris, France, (hereinafter called "Assignor") is the owner by assignment duly recorded in the United States Patent and Trademark Office at the Reel and Frame(s) indicated below of the following United States Letters Patent(s) and/or patent application(s) (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>
6,666,140 Issued December 23, 2003	Denis ROLLER	013027/0979
10/182,813 Filed August 2, 2002	Patrick BORDE Laurent D'EMMANUELLE David DUQUESNOY Eric LASPESA	013345/0904
10/341,412 Filed January 14, 2003	Jean-Paul AUGIER Bernard MAHE Alain BONNEL	013628/0724
10/345,207 Filed January 16, 2003	Marie GAUDRE Eric-Serge GIRAUD Jean-Michel TAUZIA	013609/0386
10/655,303 Filed September 5, 2003	Nancy DESGARDIN Christian PERUT Joel RENOARD	014489/0330
10/659,306 Filed September 11, 2003	Nancy DESGARDIN Christian PERUT Joel RENOARD	014480/0601

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 has sold, assigned, transferred and set over, and 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/or patents that may be granted therefrom), 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 31st day of Dec., 2002

Waligorski
Witness C. WALIGORSKI

Mariot
Witness M.F. MARIOT

[Signature]
Signature
Officer of Assignor

François SCHWARTZ
Typewritten Name of Officer

Senior Vice President Finance and Legal
Title of Officer