| Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 | | RECORDATION FORM COVER SHEET PATENTS ONLY | | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office | |
|---|---|--|--------------------|--|--|
| II . | exandria, VA 22313-1450 | | Att | torney Docket No. | <u>126185</u> |
| | ase record the attached document. | eet, attachments, and docum | ent: <u>4</u> | | |
| 1. | A. Name of conveying party(ies): SNPE Matériaux Energétiques B. Additional name(s) of conveyin | ig party(ies) attached? □ Yes ⊠ No | EUREN 12 QUA | d address of receiving of the control of the contro | |
| 3. | A. Nature of conveyance: Assignment Security Agreement Other B. Execution Date: December 2 | Merger Change of Name 0, 2005 | B. Additiona | al name(s) & addre. □Y | ss(es) attached? ∕es ⊠ No |
| 4. | A. Patent Application No.(s) | Additional numbers attac | | 5,187,319 5,189,247 5,320,043 | |
| | C. Title of Application: | | | | |
| 5. | Name and address of party to whom of concerning document should be mailed | | 6. Total number of | of applications and | patents involved: 4 |
| | Name: William P. Berridge | | | | count No. 15-0461 the he amount of \$160.00. |
| | Address: OLIFF & BERRIDGE, PI P.O. Box 19928 Alexandria, VA 223 Phone Number: 703-836 Fax Number: 703-836 | 320 5-6400 | | rpayment or charge it number 15-0461 | any underpayment to |
| | | - | | | |
| 9. | Statement and signature. To the best of my knowledge on beloning in all document. | Milly | | and any attached c January 18, 2006 | opy is a true copy of the |
| | William F. Berridge Registration No. Robert A. Miller Registration No. 32 | | | | |

PATENT REEL: 017198 FRAME: 0459

ASSIGNMENT

E 8951

WHEREAS, SNPE Matériaux Energétiques, 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"):

| Application or Patent Number and Date of Filing or Issue | Named <u>Inventors</u> | Reel and Frame | | |
|--|---------------------------|-------------------|--|--|
| 5,034,072 | Alain BECUWE | 016323/0923 | | |
| July 23, 1991 | | | | |
| 5,187,319 | Bruno NOUGUEZ | 016323/0923 | | |
| February 16, 1993 | Yves BIGOT | | | |
| | Jacky GROUX | | | |
| | Jean-Claude DERRIEN | •• | | |
| 5,189,247 | Michel ANDRE | 016323/0923 | | |
| February 23, 1993 | Jean-Pierre MAZER | | | |
| | Bruno NOUGUEZ | | | |
| 5,320,043 | Michael ANDRE | 016323/0923 | | |
| June 14, 1994 | Jean-Pierre MAZER | | | |
| | Bruno NOUGUEZ | | | |
| | | | | |

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, EURENCO FRANCE, 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), including any and all provisional, non-provisional, divisional, continuation, international, design, confirmation, substitute and reissue application(s) or extensions of the same.

سلح

1 of 3

PATENT REEL: 017198 FRAME: 0460 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), including any and all provisional, non-provisional, divisional, continuation, international, design, confirmation, substitute and reissue application(s) 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.

4

PATENT REEL: 017198 FRAME: 0461

| This Assignment is effective as of the da | ay of <u>December</u> , 200 <u>5</u> . |
|---|--|
| Calland | and a |
| Witness | Signature |
| | Officer of Assignor |
| 2 ani | Jacques CARDIN |
| Witness | Typewritten Name of Officer |
| | President |
| | Title of Officer |
| | |
| • | |
|) | |
| <u> </u> | SS: |

3 of 3

PATENT REEL: 017198 FRAME: 0462

RECORDED: 01/18/2006