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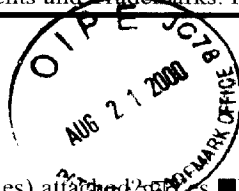
U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Elf Aquitaine



2. Name and address of receiving party(ies):

Name: Centre National de la Recherche Scientifique

Address: 3 rue Michel-Ange
75016 Paris, FRANCE

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

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: July 31, 2000

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 09/478,349 filed Jan. 6, 2000.

B. Patent No.(s)

- U.S. Pat. No. 5,857,345 dated January 12, 1999;
- U.S. Pat. No. 5,857,346 dated January 12, 1999;
- U.S. Pat. No. 5,964,097 dated October 12, 1999;
- U.S. Pat. No. 6,045,915 dated April 4, 2000;
- U.S. Pat. No. 5,861,207 dated January 19, 1999.

Additional numbers attached? Yes No

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

BLANK ROME COMISKY & MCCAULEY LLP
THE FARRAGUT BUILDING
SUITE 1000
900 17TH STREET, NW
WASHINGTON, DC 20006

6. Total applications and patents involved:

7. Total fee (37 CFR 3.41): \$240.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 23-2185
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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.

Charles R. Wolfe, Jr.

Name of Person Signing

Signature

August 21, 2000

Date

Registration Number:

Total number of pages including this cover sheet: Two (2)

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PATENT
REEL: 011052 FRAME: 0505

ASSIGNMENT

WHEREAS, **Elf Aquitaine**, a French company, having his registered office at Tour Elf, 2 Place de la Coupole, La Défense 6 – 92400 Courbevoie, FRANCE, hereinafter referred to as ASSIGNOR, is the owner by assignment of the following U.S. Letters Patents :

1. United States Patent No. 5,857,345 dated January 12, 1999 for "Method of Managing a Solid/Gas Adsorption or Thermochemical Reaction" ;
2. United States Patent No. 5,857,346 dated January 12, 1999 for "Reactant for Thermochemical Systems and Thermochemical System intended to Employ Such a Reactant" ;
3. United States Patent No. 5,964,097 dated October 12, 1999 for "Thermochemical Device for Producing Cold and/or Heat" ;
4. United States Patent No. 6,045,915 dated April 04, 2000 for "Active Composite Having a Laminate Structure Comprising an Active Agent in the Form of Granules" ; and
5. United States Patent Application Serial No. 09/478,349 filed January 6, 2000 for "Active Composite Having a Laminate Structure Comprising an Active Agent in the Form of Granules".
6. United States Patent No. 5,861,207 dated January 19, 1999 for "Active Composite with Foliated Structure and its Use as Reaction Medium", co-owned with Le Carbone Lorraine (hereinafter referred to as the PATENTS).

WHEREAS, **Centre National de la Recherche Scientifique**, a French national public, scientific and technological establishment, having its registered office at 3 rue Michel-Ange – 75016 Paris, FRANCE, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States ;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, ASSIGNOR's right, title, and interest in and to said PATENT'S throughout the United States of America, including any and all reissue(s) of said PATENTS.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the maintenance of PATENTS, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said PATENTS, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the PATENTS that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators, successors, assigns and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to grant all rights in these PATENTS to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof ; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term of such United States Letters Patents, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of **BLANK ROME COMISKY & MCCAULEY, LLP** to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

<i>Assignor Name</i> <p style="text-align: center;">Charles TIMONEY Ingénieur en Propriété Industrielle</p>	<i>Address</i> <p style="text-align: center;">Elf Aquitaine Tour Elf, 2 Place de la Coupole La Défense 6 - 92400 Courbevoie, FRANCE</p>
<i>Where Signed</i> <p style="text-align: center;">Courbevoie</p>	<i>Signature</i> <p style="text-align: center;"><i>C. Timoney</i></p>
<i>Date</i> <p style="text-align: center;">July 31, 2000</p>	