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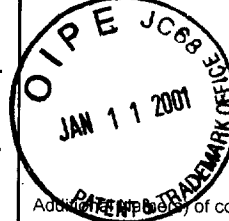
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Additional copies of conveying party(s) attached? Yes No

3. Name and Address of Receiving Party(ies):

Name: **ASTRIUM SAS (20%)**

Street Address: **37, Avenue Louis Bréguet**

City: **78140 Velizy Villacoublay**

State/Country: **FRANCE** Zip: _____

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

4. Nature of conveyance:

- Assignment Merger
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Execution Date: **December 8, 2000**

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

- If this document is being filed together with a new application,
- the first execution date of the application is : _____
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A. Patent Application No.(s)

B. Patent No.(s)

5842513

6 Name and address of party to whom correspondence concerning this matter should be mailed:

CUSTOMER NUMBER 00136

or

JACOBSON, PRICE, HOLMAN & STERN, PLLC
400 Seventh Street, N.W.
Washington, DC 20004
Tel. 202-638-6666

Attorney Docket No. **P60805US0**

7. Number of applications and patents

8. Total fee (37 CFR 3.41) \$ **40.00**

- Enclosed
- Any deficiencies in enclosed fees are authorized to be charged to deposit account **06-1358**

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10. 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.

Jonathan L. Scherer **29,851**

Name of Person Signing/ Reg. #

Jonathan L. Scherer

Signature

January 11, 2001

Date

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PARTIAL ASSIGNMENT

WHEREAS, CENTRE NATIONAL D'ETUDES SPATIALES of 2, place Maurice-Quentin, F-75001 Paris, France (hereinafter "Assignor"), is the owner of U.S. Patent No. 5,842,513, issued December 1, 1998, and entitled SYSTEM FOR TRANSFER OF ENERGY BETWEEN A HOT SOURCE AND A COLD SOURCE, by virtue of an Assignment recorded January 16, 1998 at Reel 8946, Frames 968-969 (Atty. Dkt. P60805US0); and

WHEREAS, ASTRIMUM SAS of 37, Avenue Louis Bréguet, 78140 Velizy Villacoublay, France (hereinafter "Assignee") , is desirous of acquiring 20% of the right, title and interest in said Letters Patent;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto said Assignee, its successors, legal representatives, heirs and assigns, 20% of the right, title and interest in the United States to said invention as described in Letters Patent 5,842,513, and all reissues or extensions of said Letters Patent, to be held and enjoyed by said Assignee for its own use, or for its legal representatives, successors, heirs, and assigns, to the full end of the term for which said Letters Patent is granted, and any extensions thereof, as fully and entirely as the same would have been held by said Assignor had this assignment and sale not been made; and for the same consideration said Assignor hereby covenants and agrees that at the time of execution and delivery of this instrument it is the lawful owner of the complete right, title and interest in and to said invention and said Letters Patent above mentioned, its interest is unencumbered and that it has good and full right and lawful authority to sell and convey its interest in the manner set forth herein; and for the same consideration Assignor hereby covenants and agrees that it will, when ever counsel for said Assignee, or counsel for its legal successors, legal representatives, heirs or assigns shall advise that any proceedings in connection with said Letters Patent or any reissue or extension of said Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, make all lawful oaths, and do all acts necessary as required to be done for the procurement, maintenance, enforcement and defense of said Letters Patent, without charge to said Assignor, its successors, legal representatives, heirs and assigns, but at the expense of said Assignee, its successors, legal representatives, heirs and assigns.

Assignor hereby grants the law firm of JACOBSON, PRICE, HOLMAN & STERN, PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, 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.

Signed this 8 day of December 2000.



Pour le Président du CNES
et par délégation
Le Responsable du Service Valorisation
et Propriété Intellectuelle
C. THIBAUT

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A handwritten signature in black ink, appearing to read "Thibault".

By: THIBAUT Christian
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WITNESSES:

DEL BORREUO Odile

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