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To the Assistant Commissioner of Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Francis ARBUSTI

MRD  
2-11-00

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

ALCATEL  
54, rue La Boetie  
75008 Paris, France

Additional name(s) of conveying party(ies) attached?

☐ yes☒ no

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Names☐ Other

Additional name(s) &amp; address(es) attached?

☐ yes☒ no

Execution Date: November 23, 1999

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: November 23, 1999

A. Patent Application No.(s)

09/502230

B. Patent No.(s)

Additional numbers attached?

☐ Yes☒ No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:

1

7. Total Fee (37 CFR 3.41): \$40.00

☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.☐ Authorized to be charged to Deposit Account

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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.

David J. Cushing

Reg. No. 28,703

February 11, 2000

Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner of Patents  
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Washington, D.C. 20231

## Assignment

Whereas I/We Francis ARBUSTI  
hereinafter called assignor(s), have invented certain improvements in

METHOD OF SIMULATING EXTERNAL THERMAL FLUXES ABSORBED BY EXTERNAL  
RADIATING COMPONENTS OF A SPACECRAFT IN FLIGHT, AND SPACECRAFT FOR IMPLEMENTING  
THE METHOD  
and executed an application for Letters Patent of the United States of America therefor identified by  
Attorney Docket No. **102014/SM/SPD**

Whereas, ALCATEL  
54, rue La Boétie  
75008 PARIS  
FRANCE

hereinafter called assignee,

desires to acquire the entire right, title, and interest in the application and invention, and to any  
United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named  
assignee, its successors and assigns, the entire right, title and interest in the application and the  
invention disclosed therein for the United States of America, including the right to claim priority under  
35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted  
upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will  
execute without further consideration all papers deemed necessary by the assignee in connection with  
the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS  
of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3202 to insert here in parentheses  
(Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application  
number of said application when known.

Date : *November 23<sup>rd</sup> 1999* s/ *Francis Arbusti*

Francis ARBUSTI

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C.  
§261)

**FILED**  
FEB 11 2000

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