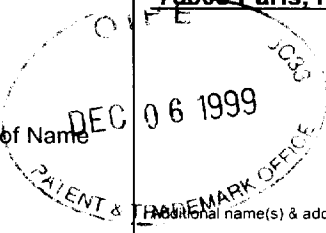


12-20-1999



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

1. Name of conveying party(ies): <b>AEROSPATIALE MATRA</b> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <b>ALCATEL</b> Street Address: <b>54 Rue La Boétie, 75008 Paris, FRANCE</b>
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <b>November 16, 1999</b> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:

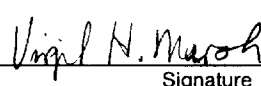
A. Patent Application No.(s): <b>09/104,199</b>	B. Patent No.(s)
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Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>Virgil H. Marsh</b> <b>Fisher, Christen &amp; Sabol</b> Street Address: <b>1725 K Street, N.W.</b> <b>Suite 1401</b> City: <b>Washington</b> State: <b>D.C.</b> Zip: <b>20006</b>	6. Total number of applications and patents involved: <b>1</b> 7. Total fee (37 C.F.R. 3.41)..... <b>\$ 40.00</b> <input checked="" type="checkbox"/> <b>ENCLOSED</b> <input type="checkbox"/> Authorized to be charged to Deposit Account. 8. Deposit Account Number: <small>(Attach duplicate copy of this page if paying by Deposit Account)</small>
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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.*

<b>Virgil H. Marsh, RN 23,083</b> Name of Person Signing	 Signature	<b>Dec. 3, 1999</b> Date
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Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:  
 Assistant Commissioner for Patents, Box ASSIGNMENTS, Washington, D.C. 20231

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# ASSIGNMENT OF APPLICATION

**WHEREAS**, AEROSPATIALE MATRA (formerly AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE), a corporation of France, located and doing business at 37 Blvd de Montmorency, 75016 Paris, France ("Assignor") is the owner of U.S. patent application Serial No. 09/104,199, for SATELLITE WITH IMPROVED HEAT SINKAGE, filed on June 25, 1998 (hereinafter "Application"); and

**WHEREAS**, ALCATEL, a corporation of France, located and doing business at 54. Rue La Boétie, 75008 Paris, France ("Assignee"), hereinafter called the assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

**NOW THEREFORE**, for good and valuable consideration, receipt and adequacy of which is hereby acknowledged, said Assignor does hereby assign unto the said Assignee all right, title and interest in and to said Application, and any LETTERS PATENT granted thereon, without demanding any further consideration therefor, at the request but at the expense of the assignee, do all lawful and just acts, including the execution and acknowledgement of instruments, furnishing of information and giving of testimony, that may be or become necessary for obtaining, sustaining, or reissuing United States and foreign LETTERS PATENT for the said invention, and for maintaining and perfecting the assignee's right to said invention and LETTERS PATENT, particularly in cases of interference and litigation.

**FOR AEROSPATIALE MATRA**

By \_\_\_\_\_

*Thomas*

Signature

Title

*November 16, 1999*

Date

**AEROSPATIALE MATRA**

37, BO DE MONTMORENCY, 75016 PARIS CEDEX 16 FRANCE  
TÉL 33 1 47 37 30 00

*Directeur Technique et Industriel*