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Form PTO-1595 U.S. Department of Commerce 1-31-92 1-31-92 102008650
To the Director of Patents and Trademarks: Please record the attached original and trademarks are record to the attached original and Patent and Trademark Office nal documents or copy thereof 1. Name of conveying party(ics): 2. Name and address of receiving party(ies): Jean-Paul Aguttes Centre National D'Etudes Spatiales 2, place Maurice Quentin Addit'! name(s) of conveying party(ies) attached?

Yes

No 75001 Paris 3. Nature of conveyance: France Assignment
 Assignment
 ■ □ Merger ☐ Security Agreement ☐ Change of name □ Other Execution date: December 12, 2001 Addit'l. name(s) & address(es) attached Yes No 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: December 12, 2001 A. Patent Application No.(s) B. Patent No.(s) 10019401 Additional numbers attached?

Yes

No. 6. Total Number of applications and patents involved [1] 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 C.F.R. 3.41)....\$40.00 ☐ Enclosed Morris Liss ☑ Authorized to be charged to Deposit Account No. 22-0185 Connolly Bove Lodge & Hutz □ Charge deficiencies/credit overpayments to Deposit Suite 800 Account 22-0185 1990 M Street, N.W. Washington, D.C. 20036-3425 8. Deposit Account No. 22-0185 DO NOT USE THIS SPACE 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 Thor & Neisen (Too-Brielson)
Reg. No. 45,528 Date: December 28, 2001 Total number of pages including cover sheet: [3] Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

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PATENT REEL: 12645 FRAME: 0601

ASSIGNMENT

		(1) AGUTTES Jean-Paul
(1–5) Insert Name(s) of Inventor(s)	` , · •	(2)
		(3) and
		(5)
	In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to	
(6) In	sert name of Assignee	(6) CENTRE NATIONAL D'ETUDES SPATIALES
7) I n	nsert address of Assignee	(7) of 2, place Maurice Quentin - 75001 PARIS / FRANCE (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as
(8) Insert Title of Invention		(8) SYSTEM COMPRISING A SATELLITE WITH RADIOFREQUENCY
		ANTENNA
		for which the undersigned has (have) signed an application for patent in the United States of America
(9) Ir	nsert Date of Signing of Application	(9) on
(10)	Alternative identification for filed applications	(10) U.S. application Serial No

1) The undersigned agree(s) to sign all papers necessary in connection with the application and any continuing or divisional application thereof and also to sign separate

assignments in connection with such applications as the Assignee may deem necessary or expedient.

- 2) The undersigned agree(s) to sign all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to sign 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.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire right, title and interest, and hereby covenants that he (she) has (they have) full right to convey the entire right, title and interest herein assigned, and that he (she) has (they have) not signed and will not sign, any agreement in conflict therewith.
- 6) The undersigned hereby grant(s) the firm of CONNOLLY BOVE LODGE & HUTZ LLP, 1990 M Street, N.W., Suite 800, P.O. Box 19088, Washington, D.C. 20036 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 Office for recordation of this document.

In witness whereof, signed by the undersigned on the date(s) opposite the undersigned name(s).

1/1

Datgecember 12, 2001	Signature of Inventor	
·		
Date	Signature of Inventor	

RECORDED: 12/28/2001