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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): PATRICE HIRTZLIN HENRI FOURDEUX ALI LOUZIR Additional name(s) of conveying party(ies) attached: Yes No X		2. Name and address of receiving party(ies): Name: THOMSON multimedia Internal Address: Street Address: 46 Quai A. Le Gallo F-92648 Boulogne-Billancourt, France City: State: Zip: Additional name(s) & address(es) attached? Yes No X	
3. Nature of conveyance: Assignment <input checked="" type="checkbox"/> Merger Security Agreement <input type="checkbox"/> Change of Name Other <input type="checkbox"/> Execution Date 5, 9, 6 October 2000:		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) FR 9805111 PCT/FR99/00913 Additional numbers attached? Yes No X	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: JOSEPH S. TRIPOLI Internal Address: PATENT OPERATIONS THOMSON multimedia Licensing Inc Street Address: PO Box 5312 City: PRINCETON State: NEW JERSEY Zip :08543-5312		6. Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41): \$40.00 Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 07-0832	

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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.

KUNIYUKI AKIYAMA  
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23 October 2000  
Date

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( 10/26/2000 LLANDGRA 00000051 070832 09673895 )  
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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Patrice Hirtzlin, 28 Square Fernand Labori, F-35700 Rennes, France ; Henri Fourdeux, La Saudrais, F-35150 Corps-Nuds, France ; Ali Louzir, 6 rue Godmondière, F-35000 Rennes, France, collectively, referred to as the assignor, have invented a certain improvement relating to

**"SYSTEM OF ANTENNAS FOR TRACKING NONSYNCHRONOUS SATELLITES"**

for which said assignor has caused an application for United States Letters Patent to be prepared,

- (xx) the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
- () said application having been filed in the United States Patent and Trademark Office on  
Serial Number

AND WHEREAS

**THOMSON MULTIMEDIA  
46 Quai A. Le Gallo  
F-92100 Boulogne Billancourt  
France**

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 5<sup>th</sup> day of October, 2000.

WITNESSES:

Signature: [Signature]

Name: Olivier NOUARD  
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ASSIGNOR:

Signature: [Signature]

Name: Patrice Hirtzlin

Signature: [Signature]

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EXECUTED, this 5<sup>th</sup> day of October, 2000.

WITNESSES:

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ASSIGNOR:

Signature: [Signature]

Name: Henri Fourdeux

Signature: [Signature]

Name: Cédric HAQUET  
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EXECUTED, this 6<sup>th</sup> day of October, 2000.

WITNESSES:

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Name: DENIS Bernard  
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ASSIGNOR:

Signature: [Signature]

Name: Ali Louzir

Signature: [Signature]

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