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11002 U.S. PTO
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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):
Laurent Chatelier
Stephane Allie
Pierre Maclair
Nicolas Marce
Jean-Luc Jumpertz
Rene Gauthier
Additional name(s) of conveying party(ies) attached: Yes No X

10/11/02

2. Name and address of receiving party(ies):
Name: THOMSON Licensing S.A.
Internal Address: 46 Quai A. Le Gallo
F-92100 Boulogne-Billancourt France

Street Address:
City: State: Zip:

3. Nature of conveyance:
Assignment X Merger
Security Agreement Change of Name
Other

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

Execution Date: September 24, 2002 and September 25, 2002

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: September 24, 2002 and September 25, 2002

A. Patent Application No.(s) FR 0110422
10/20/9657
Additional numbers attached? Yes No X

B. Patent No.(s)

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
X 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.

ROBERT D. SHEDD
Name of Person Signing

Robert D. Shedd
Signature

10/11/02
Date

Total number of pages including cover sheet, attachments, and document: 3

OMB No. 0651-0011 (exp. 4/94)

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Assistant Commissioner for Patents
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10/23/2002 TDIAZ1 00000160 070832 10269657
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PATENT
REEL: 013402 FRAME: 0001

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Laurent Chatelier, 32 rue de l'Ille, F-35850 Geveze, France; Stéphane Allie, 5 rue de Penthièvre, F-35230 St Armel, France; Pierre Mauclair, 13 allée des Hirondelles, F-35510 Cesson Sévigné, France; Nicolas Marce, 10 square de la Prestimonie, F-35170 Bruz, France; Jean-Luc Jumpertz, 15 rue des Ormeaux, F-35000 Rennes, France; Rene Gauthier, 4 rue des Genêts, F-56640 Arzon, France; hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

Process for detecting transmission channels and reception device using the process

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 LICENSING, S.A.
46 quai Alphonse 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 24 day of September, 2002.

WITNESSES:

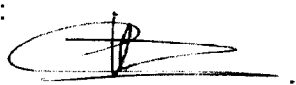
Signature: 

Name: Louis Xavier CARBONNEL
Address: 5 rue des Broux
35740 Raicé

Signature: 

Name: BRUNEL
Address: 15 rue du Rimou
35410 CHATEAUGIRON

ASSIGNOR:

Signature: 

Name: Laurent Chatelier

EXECUTED, this 25 day of September, 2002.

WITNESSES:

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Name: BOUVET Philippe
Address: 25b rue Naise
35250 St Sulpice la Foret

Signature: 

Name: MAINARD Didier
Address: 8 rue des Saules
35630 AIGNE

ASSIGNOR:

Signature: 

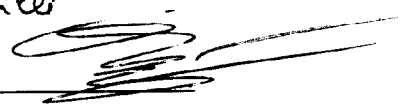
Name: Stephane Allie

EXECUTED, this 25 day of September, 2002.

WITNESSES:

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Address: 4 imp. des Coquelicots
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ASSIGNOR:

Signature: 

Name: Pierre Mauclair

EXECUTED, this 26 day of september, 2002.

WITNESSES:

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EXECUTED, this 26th day of september, 2002.

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EXECUTED, this 26 day of september, 2002.

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Name: René Gauthier