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FORM PTO-1595
1-31-92U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102663984

PATENTS ONLY

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

1. Name of conveying party(ies):

FRANCK THUDOR
JEAN-FRANCOIS PINTOS
OLIVIER MOCQUARD
JEAN-LUC ROBERTAdditional name(s) of
conveying party(ies)
attached: Yes No **X**

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

Name: THOMSON Licensing S.A.

Internal Address:

Street Address: 46 quai Alphonse Le Gallo
F-92100 Boulogne Billancourt
France

City:

State::

Zip:

3. Nature of conveyance:

Assignment **X**

Merger

Security Agreement

Change of Name

Other

Execution Date: January 19, 2004

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

Yes

No **X**

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: January 19, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers

Yes

No **X**5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: JOSEPH S. TRIPOLI

Internal Address: THOMSON Licensing, Inc.

Street Address: Two Independence Way, Suite 200

City: PRINCETON State: NEW JERSEY Zip :08540

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

(Attach duplicate copy of this page if paying by 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.

Brian J. Cromarty

Name of Person Signing

Signature

4

Date

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PATENT
REEL: 014946 FRAME: 0583

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Franck THUDOR, 28 rue François Charles Oberthur, F-35000 Rennes, France; Jean-François PINTOS, 16 allée des Fresnes, F-35230 Bourgbarre, France; Olivier MOCQUARD, 12 rue Hoche, F-35000 Rennes, France; Jean-Luc ROBERT, 2 rue Paul Gauguin, F-35830 Betton, France; hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

BROADBAND ANTENNA WITH OMNIDIRECTIONAL RADIATION

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 15th day of January, 2004

WITNESSES:

Signature: [Signature]

Name: DENIS Bernard

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35580 ST SENOUX

Signature: [Signature]

Name: Perrine Jeanne

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35830 Betton

ASSIGNOR:

Signature: [Signature]

Name: Franck THUDOR

EXECUTED, this 19 day of JANUARY, 2004

WITNESSES:

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Name: ALLOPZIA

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35000 RENNES

Signature: [Signature]

Name: Philippe MINARD

Address: La Tremblaye
35250 ST Malo d'Ille

ASSIGNOR:

Signature: [Signature]

Name: Jean-François PINTOS

EXECUTED, this 19 day of January, 2004

WITNESSES:

Signature: [Signature]

Name: HIRTZLIN Patrice

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F-35830 BETTON FRANCE

Signature: [Signature]

Name: DEROUIN Vincent

Address: 48, rue de Gail
F-35460 MONTFORT SUR MEU

ASSIGNOR:

Signature: [Signature]

Name: Olivier MOCQUARD