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To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

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ALAIN DURAND

JEAN-PIERRE ANDREAUX

Additional name(s) of
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3. Nature of conveyance:

☒ Assignment

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

Name: Thomson Licensing S.A.

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Street Address: 46 Quai A. Le Gallo

F-92100 Boulogne-Billancourt, France

Execution Date January 20, 2004, respectively

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):

PCT/FR03/03250

B. Patent No.(s)

Additional numbers attached?

Yes

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5. Name and address of party to whom correspondence
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Name: JOSEPH S. TRIPOLI

Internal Address: PATENT OPERATIONS

THOMSON LICENSING INC.

Street Address: P. O. 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

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PATENT
REEL: 017357 FRAME: 0152

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Alain DURAND, 79, rue de Dinan F-35000 Rennes, France; Jean-Pierre ANDREAUX, 20 rue de Lorgueil, F-35000 Rennes, France; hereinafter (collectively) referred to as the assignor, have invented a certain improvement relating to

SIMPLIFIED METHOD FOR RENEWING SYMMETRICAL KEYS IN A DIGITAL NETWORK

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

- (X) 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 20th day of January, 2004.

WITNESSES:

Signature: _____

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Signature: _____

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35760 RENNES

ASSIGNOR:

Signature: _____

Name: Alain DURAND

EXECUTED, this 20th day of January, 2004.

WITNESSES:

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Signature: _____

Name: HEEN Olivier

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35410 Dancour
FRANCE

ASSIGNOR:

Signature: _____

Name: Jean-Pierre ANDREAUX