

10/592627  
IAP9 Rec'd PCT/PTO

Docket No.: PF040035

09-21-2006

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



103310410

To the Honorable Director of the United States Patent and Trademark Office

1. Name of conveying party(ies):  
**EDOUARD FRANCOIS; GUILLAUME BOISSON;  
JEROME VIERON; PHILIPPE ROBERT;  
GWENAELE MARQUANT**

Additional name(s) of  
conveying party(ies)  
attached: ☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: **May 22, 22, 22,26, and 22, 2006, 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/EP05/000205

Name: **THOMSON Licensing**

Internal Address:

Street: **46 Quai A. Le Gallo  
F-92100 Boulogne-Billancourt, France**

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

☒ Yes ☐ No

Additional numbers attached?

Yes ☐ No ☒ X

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: **JOSEPH J. LAKS**  
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**

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

**07-0832**

DO NOT USE THIS SPACE

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.*

**JEFFREY M. NAVON**

Name of Person Signing

Signature - Reg. No. 32,711

Date

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

4

DO NOT DETACH THIS PORTION

Mail documents to be recorded with this sheet to:

Mail Stop Assignment Recordation Services  
Director of the United States Patent and Trademark Office  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

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.

## ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Edouard Francois, 18 Allee du Locar, 35890 Bourg des Comptes, France; Guillaume Boisson, 12 Rue Jean Malo-Renault, 35000 Rennes, France; Jerome Vieron, 5 Allee Jean Perrin, 35137 Bedee, France; Philippe Robert, 7 Allee du Bois Louet, 35235 Thorigne-Fouillard, France; Gwenaelle Marquant, Lieu dit l'Hotel Harel, 35630 La Chapelle Chaussie, France; hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to

### **Method and apparatus for video encoding and method and apparatus for video decoding**

for which said assignor has caused an application for United States Letters Patent to be prepared, the specification of which was filed on 12/JAN/2005 as Application Serial No. PCT/EP 05/000205, or, if not identified here by filing date and serial number, 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.

### AND WHEREAS

Thomson Licensing  
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 22<sup>th</sup> day of may, 2006.

WITNESSES:

Signature: Dagois

Name: DAGOIS Pierre  
Address: 25 route de Fongères  
35510 Cesson-Sévigné

ASSIGNOR:

Signature: Edouard

Name: Edouard Francois

Signature: Lopez

Name: LOPEZ Patrick  
Address: 4 allée du Clos de la Menagerie  
35450 LITRE-sur-Changéon

EXECUTED, this 29<sup>th</sup> day of May, 2006.

WITNESSES:

Signature: Bachelart

Name: BACHELART David  
Address: 20 rue de Brest  
35000 RENNES

ASSIGNOR:

Signature: Boisson

Name: Guillaume Boisson

Signature: Gutlotel

Name: GUTLOTTEL Philippe  
Address: 15 rue Auguste Renoir  
35 770 VERN-sur-SEICHE

EXECUTED, this 22<sup>nd</sup> day of May, 2006.

WITNESSES:

Signature: X. Castell

Name: CASTELLAN Xavier  
Address: 65 rue de Dinan  
35000 RENNES

ASSIGNOR:

Signature: Vieron


Name: Jerome Vieron

Signature: Poullaouec

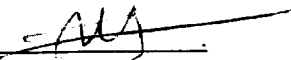
Name: POULLAUEC Roman  
Address: La Fresnais  
35440 DINÉE

EXECUTED, this 26<sup>th</sup> day of May, 2006.

WITNESSES:

Signature: 

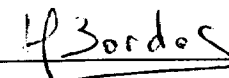
Name: Pascal BOURDON  
Address: 7h rue du Pont St Pierre  
35390 GRAND-FOUGERAY

Signature: 


Name: Sirot Joël  
Address: La Garenne  
35440 Nontronville 13lle

EXECUTED, this 22<sup>th</sup> day of May, 2006.

WITNESSES:

Signature: 

Name: Bordes Philippe  
Address: 6 impasse Gaudicots  
35890 LAILLÉ

Signature: 


Name: ORHAND Anita  
Address: 27 bd Emile Combes  
35000 RENNES

ASSIGNOR:

Signature: 

Name: Philippe Robert

ASSIGNOR:

Signature: 

Name: Gwenaëlle Marquant