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U.S. PTO  
10/590307  
06/27/2007

Docket No.: PF040033

U.S. DEPARTMENT OF COMMERCE  
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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.

1. Name of conveying party(ies): <b>EDOUARD FRANCOIS; GUILLAUME BOISSON; JÉRÔME VIERON; PHILIPPE ROBERT; GWENAELE MARQUANT</b>		2. Name and address of receiving party(ies): Name: <b>THOMSON Licensing</b> Internal Address:  Street: <b>46 Quai A. Le Gallo F-92100 Boulogne-Billancourt, France</b>	
Additional name(s) of conveying party(ies) attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
3. Nature of convenience: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other			
Execution Date: <b>September 6, 2006, respectively</b>			
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): <b>US 10/590,307</b>		B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>JOSEPH J. LAKS</b> Internal Address: <b>PATENT OPERATIONS THOMSON LICENSING LLC</b>  Street Address: <b>P. O. Box 5312</b>  City: <b>PRINCETON</b> State: <b>NEW JERSEY</b> Zip: <b>08543-5312</b>		6. Total number of applications and patents involved: <b>1</b>  7. Total Fee (37 CFR 3.41): <b>\$40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: <b>07-0832</b>	

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9. Statement and signature. <i>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.</i>	
<b>BRIAN J. DORINI</b> Name of Person Signing	 Signature Reg. No. 43,594
Date: <b>JUNE 27, 2007</b>	
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7/02/2007 LLANDGRA 00000018 070832 10590307

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**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT**

WHEREAS Edouard FRANCOIS, 18 allée du Locar, F-35890 BOURG DES COMPTES, FRANCE; Guillaume BOISSON, 12 rue Jean Malo-Renault, F-35000 RENNES, FRANCE ; Jérôme VIERON, 5 allée Jean Perrin, F-35137 BEDEE, FRANCE; Philippe ROBERT, 7 allée du Bois Louet, F-35235 THORIGNE FOUILLARD, FRANCE; Gwenaelle MARQUANT, Lieu Dit L'hôtel Harel, F-35630 LA CHAPELLE CHAUSSEE, FRANCE; hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

**METHOD OF ENCODING AND DECODING AN IMAGE SEQUENCE BY MEANS OF HIERARCHICAL TEMPORAL ANALYSIS**

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

- ( ) 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;
- (xx) said application having been filed in the United States Patent and Trademark Office on February 21, 2005 Serial Number PCT/FR2005/050109 ;

**AND WHEREAS**

**THOMSON LICENSING  
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.

**PATENT**

**REEL: 019549 FRAME: 0449**

EXECUTED, this 6<sup>th</sup> day of september, 2006

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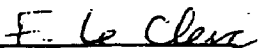
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Name: Gwenaelle MARQUANT