

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dominique THOREAU</td> <td>12/12/2012</td> </tr> <tr> <td>Aurelie MARTIN</td> <td>12/12/2012</td> </tr> <tr> <td>Edouard FRANCOIS</td> <td>12/12/2012</td> </tr> <tr> <td>Jerome VIERON</td> <td>12/12/2012</td> </tr> <tr> <td>Safa CHERIGUI</td> <td>12/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dominique THOREAU	12/12/2012	Aurelie MARTIN	12/12/2012	Edouard FRANCOIS	12/12/2012	Jerome VIERON	12/12/2012	Safa CHERIGUI	12/12/2012
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Aurelie MARTIN	12/12/2012												
Edouard FRANCOIS	12/12/2012												
Jerome VIERON	12/12/2012												
Safa CHERIGUI	12/12/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>THOMSON LICENSING</td> </tr> <tr> <td>Street Address:</td> <td>1-5 rue Jeanne d'Arc</td> </tr> <tr> <td>City:</td> <td>Issy Les Moulineaux</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>F-92130</td> </tr> </table>		Name:	THOMSON LICENSING	Street Address:	1-5 rue Jeanne d'Arc	City:	Issy Les Moulineaux	State/Country:	FRANCE	Postal Code:	F-92130		
Name:	THOMSON LICENSING												
Street Address:	1-5 rue Jeanne d'Arc												
City:	Issy Les Moulineaux												
State/Country:	FRANCE												
Postal Code:	F-92130												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13638625</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13638625								
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Application Number:	13638625												
CORRESPONDENCE DATA													
<p>Fax Number: 6097346888  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 609-734-6828        Email: uspto@technicolor.com        Correspondent Name: ROBERT D. SHEDD, THOMSON LICENSING LLC        Address Line 1: 2 Independence Way, Suite 200        Address Line 4: Princeton, NEW JERSEY 08540</p>													
ATTORNEY DOCKET NUMBER:	PF100024 US PCT												
NAME OF SUBMITTER:	Patricia A. Verlangieri												
Signature:	/Patricia A. Verlangieri, Reg No 42201/												

CH \$40.00 13638625

Date:

09/25/2013

**Total Attachments: 8**

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**/ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR  
LETTERS PATENT OF THE UNITED STATES OF AMERICA**

I hereby declare that I am the sole inventor (If only one inventor is named below) or 5 joint inventors (If plural inventors are named below) of the

Inventions relating  
to

**METHOD FOR CODING AND METHOD FOR RECONSTRUCTION OF A BLOCK  
OF AN IMAGE SEQUENCE AND CORRESPONDING DEVICES**

described in an Application for Patent filed on MARCH 28, 2011 under Serial No. PCT/EP11/054852 and described in the file associated with Docket No. PF100024, listed above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on even date with my execution of this Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with Thomson Licensing, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at	<u>Cesson Saugue</u>	Date	<u>12/12/2012</u>
Inventor (1)	<u>DOMINIQUE THOREAU</u> (Type or Print)	<u>Thoreau Dominique</u> (Signature in Full. No initials.)	
Post Office Address <u>Technicolor R&amp;D France- 975 avenue des Champs Blancs F-35576 CESSON SEVIGNE CEDEX, France</u>			
1st Witness	<u>BOITARD Ronan</u> (Type or Print)	<u>Boitard Ronan</u> (Signature in Full. No initials.)	
2nd Witness	<u>BOITARD Olivier</u> (Type or Print)	<u>Boitard Olivier</u> (Signature in Full. No initials.)	
Signed at	<u>AURELIE MARTIN</u>	Date	
Inventor (2)	<u>AURELIE MARTIN</u> (Type or Print)		
Post Office Address <u>9 RUE BAUSSET, BATIMENT B, F-75015 PARIS, France</u>			
1st Witness			
2nd Witness			
Signed at	<u>EDOUARD FRANCOIS</u>	Date	
Inventor (3)	<u>EDOUARD FRANCOIS</u> (Type or Print)		
Post Office Address <u>18 ALLEE DU LOCAR, F-35690 BOURG DES COMPTES, FRANCE</u>			
1st Witness			
2nd Witness			

Signed at	_____	Date	_____
Inventor (4)	JEROME VIERON (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	9 RUE BAUSSET, BATIMENT B, F-75015 PARIS, France		
1st Witness	_____	(Signature in Full. No initials.)	_____
2nd Witness	_____	(Signature in Full. No initials.)	_____
Signed at	_____	Date	_____
Inventor (5)	SAFA CHERIGUI (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	Technicolor R&D France- 975 avenue des Champs Blancs F-35576 CESSON SEVIGNE CEDEX, France		
1st Witness	_____	(Signature in Full. No initials.)	_____
2nd Witness	_____	(Signature in Full. No initials.)	_____

After this Assignment has been recorded please RETURN to:

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THOMSON Licensing LLC  
PO Box 5312  
Princeton, NJ 08543-5312

**ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR  
LETTERS PATENT OF THE UNITED STATES OF AMERICA**

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 5 joint inventors (if plural inventors are named below) of the  
**METHOD FOR CODING AND METHOD FOR RECONSTRUCTION OF A BLOCK  
 OF AN IMAGE SEQUENCE AND CORRESPONDING DEVICES**  
 inventions relating to \_\_\_\_\_

described in an Application for Patent filed on MARCH 28, 2011 under Serial No. PCT/EP11/054862 and described in the file associated with  
 Docket  
 No. PF100024, listed above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on even  
 date with my execution of this Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the  
 country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any  
 and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations  
 and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all  
 countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said  
 corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal  
 representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

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 in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said  
 inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any  
 convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which  
 may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for  
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 interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at	_____	Date	_____
Inventor (1)	<u>DOMINIQUE THOREAU</u> (Type or Print)	(Signature in Full. No initials.)	
Post Office Address	<u>Technicolor R&amp;D France- 975 avenue des Champs Blancs-F-35976 CESSON SEVIGNE CEDEX, France</u>		
1st Witness	_____	(Signature in Full. No initials.)	
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	
	(Type or Print)		
Signed at	<u>PARIS</u> <u>AURELIE MARTIN</u>	Date	<u>12/12/11</u>
Inventor (2)	_____	(Signature in Full. No initials.)	
	(Type or Print)		
Post Office Address	<u>9 RUE BAUSSET, BATIMENT B, F-75015 PARIS, France</u>		
1st Witness	<u>Edouard PAC</u>	(Signature in Full. No initials.)	
	(Type or Print)		
2nd Witness	<u>Anne LORETTE</u>	(Signature in Full. No initials.)	
	(Type or Print)		
Signed at	_____	Date	_____
Inventor (3)	<u>EDOUARD FRANCOIS</u> (Type or Print)	(Signature in Full. No initials.)	
Post Office Address	<u>18 ALLEE DU LOCAR, F-35890 BOURG DES COMPTES, FRANCE</u>		
1st Witness	_____	(Signature in Full. No initials.)	
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	
	(Type or Print)		

Signed at	<u>PARIS</u>	Date	<u>12 / 12 / 12</u>
Inventor (4)	<u>JEROME VIERON</u>		
	(Type or Print)		(Signature in Full, No Initials.)
Post Office Address	<u>9 RUE BAUSSET, BATIMENT B, F-75015 PARIS, France</u>		
1st Witness	<u>Patrice PAC</u>		
	(Type or Print)		(Signature in Full, No Initials.)
2nd Witness	<u>Anne LORETTE</u>		
	(Type or Print)		(Signature in Full, No Initials.)
Signed at		Date	
Inventor (5)	<u>SAFA CHERIGUI</u>		
	(Type or Print)		(Signature in Full, No Initials.)
Post Office Address	<u>Technicolor R&amp;D France- 975 avenue des Champs Blancs-F-35576 CESSON SEVIGNE CEDEX, France</u>		
1st Witness			
	(Type or Print)		(Signature in Full, No Initials.)
2nd Witness			
	(Type or Print)		(Signature in Full, No Initials.)

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Princeton, NJ 08543-5312

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Inventions relating to

described in an Application for Patent filed on MARCH 25, 2011 under Serial No. PCT/EP11/054882 and described in the file associated with Docket No. PF100024, listed above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on even date with my execution of this Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, renewals and extensions thereof.

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Signed at	Date
Inventor (1) <u>DOMINIQUE THOREAU</u> (Type or Print)	(Signature in Full. No initials.)
Post Office Address <u>Technicolor R&amp;D France- 875 avenue des Champs Blancs-F-35574 CESSON SEVIGNE CEDEX, France</u>	
1st Witness (Type or Print)	(Signature in Full. No initials.)
2nd Witness (Type or Print)	(Signature in Full. No initials.)
Signed at	Date
Inventor (2) <u>AURELIE MARTIN</u> (Type or Print)	(Signature in Full. No initials.)
Post Office Address <u>8 RUE BAUSSET, BATIMENT B F-75015 PARIS, France</u>	
1st Witness (Type or Print)	(Signature in Full. No initials.)
2nd Witness (Type or Print)	(Signature in Full. No initials.)
Signed at <u>Commun - Kien</u>	Date <u>12/12/2012</u>
Inventor (3) <u>EDOUARD FRANCOIS</u> <u>Edouard FRANCOIS</u> (Type or Print)	(Signature in Full. No initials.)
Post Office Address <u>18 ALLEE DU LOCAR, F-35550 BOURG DES COMPTES, FRANCE</u>	
1st Witness <u>Raoula PAC</u> (Type or Print)	(Signature in Full. No initials.)
2nd Witness <u>Anne LORETTE</u> (Type or Print)	(Signature in Full. No initials.)

Signed at	_____	Date	_____
Inventor (4)	JEROME VIERON (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	9 RUE BAUSSET, BATIMENT B. F-75015 PARIS, France		
1st Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		
Signed at	_____	Date	_____
Inventor (5)	SAFA CHERIGUI (Type or Print)	(Signature in Full. No initials.)	_____
Post Office Address	Technicolor R&D France- 975 avenue des Champs Blancs-F-35576 CESSON SEVIGNE CEDEX, France		
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	(Type or Print)		
2nd Witness	_____	(Signature in Full. No initials.)	_____
	(Type or Print)		

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Inventions relating to

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described in an Application for Patent filed on MARCH 28, 2011 under Serial No. PCT/EP11/054662 and described in the file associated with Docket No. PF100024, listed above or, if not identified here by filing date and serial number or by the Docket Number listed above, executed by me on even date with my execution of this Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

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Signed at	_____	Date	_____
Inventor (1)	<u>DOMINIQUE THOREAU</u>		
	(Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>Technicolor R&amp;D France- 975 avenue des Champs Blancs-F-35576 CESSON SEVIGNE CEDEX, France</u>		
1st Witness	_____		(Signature in Full. No initials.)
	(Type or Print)		
2nd Witness	_____		(Signature in Full. No initials.)
	(Type or Print)		
Signed at	_____	Date	_____
Inventor (2)	<u>AURELIE MARTIN</u>		
	(Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>9 RUE BAUSSET, BATIMENT B, F-75015 PARIS, France</u>		
1st Witness	_____		(Signature in Full. No initials.)
	(Type or Print)		
2nd Witness	_____		(Signature in Full. No initials.)
	(Type or Print)		
Signed at	_____	Date	_____
Inventor (3)	<u>EDOUARD FRANCOIS</u>		
	(Type or Print)		(Signature in Full. No initials.)
Post Office Address	<u>18 ALLEE DU LOCAR, F-35690 BOURG DES COMPTES, FRANCE</u>		
1st Witness	_____		(Signature in Full. No initials.)
	(Type or Print)		
2nd Witness	_____		(Signature in Full. No initials.)
	(Type or Print)		

Signed at	_____	Date	_____
Inventor (4)	JEROME VIERON (Type or Print)	(Signature in Full, No Initials)	_____
Post Office Address	9 RUE BAUSSET, BATIMENT B, F-75015 PARIS, France		
1st Witness	_____	(Signature in Full, No Initials)	_____
2nd Witness	_____	(Signature in Full, No Initials)	_____
Signed at	_____	Date	12/12/2012
Inventor (5)	SAFA CHERIGUI (Type or Print)	(Signature in Full, No Initials)	_____
Post Office Address	Technicolor R&D France, 875 avenue des Champs Blancs, F-35578 CESSON SEVIGNE CEDEX, France		
1st Witness	CHRISTOPHE CHEVANCE (Type or Print)	(Signature in Full, No Initials)	_____
2nd Witness	Fabrice URBAN (Type or Print)	(Signature in Full, No Initials)	_____

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