

PATENT ASSIGNMENT

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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>Guillaume BICHOT</td> <td>12/21/2012</td> </tr> <tr> <td>Stephane GOUACHE</td> <td>12/21/2012</td> </tr> <tr> <td>Amine BSILA</td> <td>12/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Guillaume BICHOT	12/21/2012	Stephane GOUACHE	12/21/2012	Amine BSILA	12/21/2012		
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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
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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>13642344</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13642344						
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CORRESPONDENCE DATA											
Fax Number: 6097346888 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> 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											
ATTORNEY DOCKET NUMBER:	PF100022 US PCT										
NAME OF SUBMITTER:	Patricia A. Verlangieri										
Signature:	/Patrica A. Verlangieri, Reg No 42201/										
Date:	09/27/2013										
Total Attachments: 2 source=PF100022USASSIGNMENT#page1.tif source=PF100022USASSIGNMENT#page2.tif											

CH \$40.00 13642344

**/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 3 joint inventors (if plural inventors are named below) of the

Method for evaluating an available path bitrate based on an acknowledgment path selection

inventions relating
to

described in an Application for Patent filed on APRIL 14, 2011 under Serial No. PCT/EP11/055934 and described in the file associated with Docket No. PF100022, 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>RENNES</u>	Date <u>DECEMBER 21 2012</u>
Inventor (1) <u>GUILLAUME BICHOT</u> (Type or Print)	(Signature in Full, No Initials.) <u>[Signature]</u>
Post Office Address <u>Technicolor R&D France- 975 avenue des Champs Blancs F-35576 CESSON SEVIGNE CEDEX France</u>	
1st Witness <u>GOUACHE</u> (Type or Print)	(Signature in Full, No Initials.) <u>[Signature]</u>
2nd Witness <u>LAURENT Anthony</u> (Type or Print)	(Signature in Full, No Initials.) <u>[Signature]</u>
Signed at <u>Rennes</u>	Date <u>21st December 2012</u>
Inventor (2) <u>STEPHANE GOUACHE</u> (Type or Print)	(Signature in Full, No Initials.) <u>[Signature]</u>
Post Office Address <u>Technicolor R&D France- 975 avenue des Champs Blancs F-35576 CESSON SEVIGNE CEDEX France</u>	
1st Witness <u>LE BOLZER</u> (Type or Print)	(Signature in Full, No Initials.) <u>[Signature]</u>
2nd Witness <u>TAÏEB Charles</u> (Type or Print)	(Signature in Full, No Initials.) <u>[Signature]</u>
Signed at _____	Date _____
Inventor (3) <u>AMINE BSILA</u> (Type or Print)	(Signature in Full, No Initials.) _____
Post Office Address <u>28 RUE DE LA POSTE, F-69100 VILLEURBANNE, FRANCE</u>	
1st Witness _____ (Type or Print)	(Signature in Full, No Initials.) _____
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No. PF100022 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 therein in said corporation, its successors, assigns or nominees.

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Post Office Address <u>Technicolor R&D France, 875 avenue des Champs Blancs F-35575 CESSON SEVIGNE CEDEX, France</u>	
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Post Office Address <u>28 RUE DE LA POSTE, F-69100 VILLEURBANNE, FRANCE</u>	
1st Witness <u>Rodrigue Chassade</u> (Type or Print)	(Signature in Full - No initials)
2nd Witness <u>Hervé GUENIER</u> (Type or Print)	(Signature in Full - No initials)