PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4402377

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CATHERINE SERRE	08/25/2016
SEBASTIEN LASSERRE	08/26/2016
FABRICE LE LEANNEC	10/04/2016

RECEIVING PARTY DATA

Name:	THOMSON LICENSING	
Street Address:	1 RUE JEANNE D'ARC	
City:	ISSY-LES-MOULINEAUX	
State/Country:	FRANCE	
Postal Code:	92130	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15157342	

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 1-609-734-6858

Email: BRENDA.MATRAJJI@TECHNICOLOR.COM
Correspondent Name: BRIAN J. DORINI, THOMSON LICENSING LLC

Address Line 1: 4 RESEARCH WAY

Address Line 4: PRINCETON, NEW JERSEY 08540

ATTORNEY DOCKET NUMBER:	PF130231-US-NP	
NAME OF SUBMITTER:	PATRICIA A. VERLANGIERI	
SIGNATURE:	/Patricia A. Verlangieri, Reg.No. 42201/	
DATE SIGNED:	05/08/2017	
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 3

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PATENT REEL: 042274 FRAME: 0033

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PATENT REEL: 042274 FRAME: 0034

and was amended on

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

A method for encoding/decoding a picture block

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•	the specification of which was filed on 17 MAY 2016 as Application Serial No. 15/157342 and was amended , or, if not identified here by filing date and serial number, is attached hereto. The above-identified application was made or authorized to be made by me.
	, or, if not identified here by filing date and serial number, is attached hereto.
	The above-identified application was made or authorized to be made by me.
	I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any
	amendment referred to above.
	I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for
	continuation-in-part applications, material information which became available between the filing date of the prior application
	and the national or PCT international filing date of the continuation-in-part application.
	I hereby declare that all statements made herein of my own knowledge are true and that all statements made on
	information and belief are believed to be true; and further that these statements were made with the knowledge that willful
	false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under 18
	USC 1001.
	ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT
	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, including India and the United States of America, 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, 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	Cesson-Sévigné - France	Date <u>2016-08-2</u> 5
Inventor Name	CATHERINE SERRE(Type or Print)	(Signature in Full – No Initials)
Post Office Address Cedex, France_	TECHNICOLOR R&D FRANCE, 975 avenue des	Champs Blancs, F-35576 Cesson Sévigné
1st Witness	GUERHOUS HUSANE	
2 nd Witness	(Type or Print) Co 50 An (Type or Print)	(Signature in Full — No Initials) (Signature in Full — No Initials)
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PATENT REEL: 042274 FRAME: 0035 Customer No. 24498

DECLARATION

Docket No.PF130231

As a below named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

A method for encoding/decoding a picture block

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the specification of white was mea on			***********	******
	or, if not iden	itified here by filing date and serial	number is attach	ed hereto.
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The above-identified application was made or authorized to be made by me.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under 18 USC 1001.

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT

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, including India and the United States of America, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful caths, 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.

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 consent to rile 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	Carry - Singui France	Date Ayal 26 , Lass
Inventor	*	71° 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1' 1'
Name	SEBASTIEN LASSERRE	
	(Type or Print)	(Signature in Full – No Initials)
Post Office Address Cedex, France_	TECHNICOLOR R&D FRANCE, 975 avenue des Cl	namps Blancs, F-35576 Cesson Sévigné
1 st Witness	T7\NG POIRIE (C. (Type or Print)	(Signature in Full – No Initials)
2 nd Witness	Poblicat Aware. (Type or Print)	Ros(RS Ambs - 0 S (Signature in Full - No Initials)

PATENT REEL: 042274 FRAME: 0036 Customer No. 24498

DECLARATION

Docket No.PF130231

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment of not more than five (5) years, or both, under 18 USC 1001.
assignment and agreement in an application for letters patent
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, including India and the United States of America, 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 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 Lesson - Sévigné Date October 4th, 2016
Inventor
NameFABRICE LE LEANNEC
All Marines
Post Office AddressTECHNICOLOR R&D FRANCE, 975 avenue des Champs Blancs, F-35576 Cesson, Sévigné
Cedex, France
1" Witness Florence PAC. THOLE
(Type or Print) (Signature in Full – No Initials)

PATENT

(Signature in Full - No initials)

REEL: 042274 FRAME: 0037

RECORDED: 05/08/2017

2[™] Witness

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