

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEBASTIEN LASSERRE	11/08/2017
SAURABH PURI	02/20/2018
PATRICK LE CALLET	01/26/2018
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State/Country:	FRANCE
Postal Code:	92130
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16317228
CORRESPONDENCE DATA	
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<i>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.</i>	
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ATTORNEY DOCKET NUMBER:	PF160086 US PCT
NAME OF SUBMITTER:	RONALD KOLCZYNSKI
SIGNATURE:	/Ronald Kolczynski/
DATE SIGNED:	02/01/2019
Total Attachments: 4	
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Customer No. 24498

DECLARATION

Docket No. PF160086

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

METHOD AND APPARATUS FOR LAST COEFFICIENT CODING FOR ADAPTIVE TRANSFORM BASED VIDEO COMPRESSION

the specification of which was filed on July 12, 2017 as Application Serial No. PCT/EP2017/067816 and was amended on _____, 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, 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 hereafter 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 hereafter 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 Sevigne, France

Date

November 8th, 2017Inventor
NameSebastien LASSERRE
(Type or Print)Sebastien Lasserre
(Signature in Full - No Initials)Post Office
Addressc/o Technicolor R&D France 975, avenue des Champs Blancs, 35576 Cesson-Sevigne, France1st WitnessJean POIRIER
(Type or Print)Jean Poirier
(Signature in Full - No Initials)2nd WitnessFabrice LELEANNEL
(Type or Print)Fabrice Leleannél
(Signature in Full - No Initials)

PATENT

REEL: 048215 FRAME: 0878

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

-Last coefficient coding for adaptive transform based video compression-

the specification of which was filed on 7/12/2017 as Application Serial No. PCT/EP17/067616 and was amended on , 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.

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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.

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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.

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Signed at Burlington, Canada

Date 20 Feb 2018

Inventor Name : Puri, Saurabh



(Signature in Full - No Initials)

Post Office Address : 5161 Falconcrest Drive, Burlington, ON L7L 6K4, Canada

1st Witness Ahuja Seema
(Type or Print)



(Signature in Full - No Initials)

2nd Witness Ahuja Mohini
(Type or Print)



(Signature in Full - No Initials)

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METHOD AND APPARATUS FOR LAST COEFFICIENT CODING FOR ADAPTIVE TRANSFORM BASED VIDEO COMPRESSION

the specification of which was filed on July 12, 2017 as Application Serial No. PCT/EP2017/0676 and was amended on 16

, 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.

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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

Nantes

Date

26/01/18

Inventor
Name

Patrick LE CALLET

(Type or Print)

(Signature in Full - No Initials)

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4bis rue de saint etienne 44330 LE PAUET - FRANCE

Customer No. 24498


DECLARATION

Docket No. PF160086

Address c/o Technicolor R&D France 975, avenue des Champs Blancs, 35576 Cesson-Sevigne,
France

1st Witness

Levi Guéhen
(Type or Print)


(Signature in Full - No Initials)

2nd Witness

Jing LI
(Type or Print)


(Signature in Full - No Initials)