505867055 01/16/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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PIERRE ANDRIVON	03/24/2017
EDOUARD FRANCOIS	03/27/2017

RECEIVING PARTY DATA

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State/Country:	FRANCE
Postal Code:	92130

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16090263

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 2016P00005WOUS	
NAME OF SUBMITTER:	PATRICIA A. VERLANGIERI
SIGNATURE: /Patricia A. Verlangieri, Reg.No. 42201/	
DATE SIGNED:	01/16/2020

Total Attachments: 3

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PATENT 505867055 REEL: 051530 FRAME: 0004

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 CODING A VIDEO INTO A BITSTREAM CARRYING REGION-BASED POST PROCESSING PARAMETERS INTO AN SEI NESTING MESSAGE

as Application Serial No. PCT/EP2017/056019 the specification of which was filed on March 14, 2017 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 ciairns, as amended by any amendment referred to above

Lacknowledge 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.

Thereby 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.

Lagree 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 teatify 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 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 coveriant 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-Seviane	Date	March 23", 2017
Inventor Name	_Philippe BORDES(Type or Print)		(Signature in Full – No Initials)

Post Office Address :

c/o Technicolor R&D France, 975 avenue des Champs Blancs, CS17616, 35576 Cesson-Sévigné Cedex, France

1st Witness

2nd Witness

Managing Comment Skinature in Full - No Initials)

(Signature in Full - No Initials)

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METHOD AND APPARATUS FOR CODING A VIDEO INTO A BITSTREAM CARRYING REGION-BASED POST PROCESSING PARAMETERS INTO AN SEI NESTING MESSAGE

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ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT

For valuable consideration received, I hereby self, assign and transfer to Thomeon 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 invertions, 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, ressues and extensions thereof,

Fagree that, when requested, I will, without change 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

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for patent or other term or protection for said inversions lies by a or mem, are remaind or or appearancy we managed to 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.

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I covenant with Thomson Literating, 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	- Penns Erwa S	Date <u>03/25/2.17</u>
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Inventor		and the state of t
Name	_Pierre ANDRIVON (Type or Print)	(Signature in Full - No Initials)
Post Office Ad	dress: c/o Technicolor R&D France, 975 a 35576 Cesson-Sévigné Cedex, Fra	venue des Champs Blancs, CS17616, nce
1 st Witness	UiCLARS Thiang	(Signature in Full – No Initials)
2 nd Witness	(Type or Print)	CASIMINATURA IN Full – No initials)

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Signed at	<u> </u>	Date <u>27 March 2017</u>
inventor Name	Edouard FRANCOIS(Type or Print)	(Signature in Full – No Initials)
Post Office Add	dress : c/o Technicolor R&D France, 975 a 35576 Cesson-Sévigné Cedex, Fra	ivenue des Champs Blancs, CS17616, noe
1 st Witness	Victorial Therm	(Signature in Full - No Initials)
2 nd Witness	HIROW Event	(Signature in Full – No Initials)

PATENT REEL: 051530 FRAME: 0007

RECORDED: 01/16/2020