PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHANE GOUACHE	01/11/2016
CHARLINE TAIBI	12/14/2015
REMI HOUDAILLE	12/10/2015

RECEIVING PARTY DATA

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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:	14901049

CORRESPONDENCE DATA

Fax Number: (609)212-2990

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 609-436-5847

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Correspondent Name: BRIAN J. DORINI, INTERDIGITAL
Address Line 1: 4 RESEARCH WAY, 3RD FLOOR
Address Line 4: PRINCETON, NEW JERSEY 08543

ATTORNEY DOCKET NUMBER:	PF130056
NAME OF SUBMITTER:	JOSEPH J. OPALACH, REG. NO. 36,229
SIGNATURE:	/Joseph J. Opalach/
DATE SIGNED:	06/04/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 505508624 REEL: 049367 FRAME: 0011

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 for adapting the downloading behavior of a client terminal configured to receive multimedia content,

and corresponding terminal

the specification of which was filed on	June 12, 2014	ar Amelicatio	on Serial No. DCT/FD14/06	2220 and was amended on
the specification of which was filed on				
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	2 CH 10 111 K K	Barringo recessor and con	ge and senai number, is at	acrica hereto.
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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.

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.

Doto 10 Docombor 2015

Signed at	Cesson-Sévigné	Date	10 December 2015
Inventor Name	Remi HOUDAILLE		Jandi OL
W.	(Type or Print)		(Signature in Full - No Initials)
Post Office Address	Technicolor R&D France 975, avenue des	. Champ	os Blancs ZAC des Champs Blancs CS 17616, F-
35576 Cesson	Sévigné, France	·	
1 st Witness	Cay Le Roux (Type or Print)	anne ar olik	(Signature in Full - No initials)
2 nd Witness	+ 10 1 10 10 10 10 10 10 10 10 10 10 10 1	e. Madadai	(Signature in Foll – No initials)

**PATENT** REEL: 049367 FRAME: 0012 DECLARATION

Docket No. PF130056

Customer No. 24498

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 for adapting the downloading behavior of a client terminal configured to receive multimedia content,

#### and corresponding terminal

Bie specification of which was filed on <u>Juns 12, 2014</u> as Application Senal No. <u>PCY/EP14/092220</u> and was amended on ুকে, ট কমেনুবিলাচিকির মন্তন্ত চুচিকু বুবাইছ বুবাই senal number, is affached 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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and as countries.

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Convention to the Protection of include Property, as attention or ord 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

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Locyenant 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 Inventor Name Stéphane GOUACHE (Signature in Full - No Initials) (Type or Print) Post Office Technicolor R&D France 975, avenue des Champs Blancs ZAC des Champs Blancs CS 17616, F-Address 35576 Cesson Sévigné, France 1st Witness Signature in Full - No Initials) 2nd Witness (Signature Full o Initials)

> PATENT REEL: 049367 FRAME: 0013

DECLARATION

Docket No. PF130056

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Method for adapting the downloading behavior of a client terminal configured to receive multimedia content,

### and corresponding terminal

the specification of which was filed on June 12, 2014 as Application Serial No. PCT/EP14/Q62220 and was amende-	7 00
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the specification of which was filed on _lune 12, 2014 as Application Serial No. PCT/EP14/062220 and was amende	ร กก
the specification of which was filed on _lune 12. 2014 as Addication Senai No. 2017EFF97962220 and was affering	
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.

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Signed at	Date	
Inventor Name	Charline TAIBI (Type or Print)	(Signature in Full – No Initials)
Post Office Address 35576 Cesson S	Technicolor R&D France 975, avenue des Champs iévigné, France	Blancs ZAC des Champs Blancs CS 17616, F-
1 st Witness	Yvah LEGALLAIS (Type or Print)	(Signature in Full – No Initials)
2 nd Witness	Helpane Onn	

PATENT REEL: 049367 FRAME: 0014

RECORDED: 06/04/2019