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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ALEXANDER KRUEGER	05/31/2016

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Postal Code:	92443	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15320467

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

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ATTORNEY DOCKET NUMBER:	A16030BUS01
NAME OF SUBMITTER:	MI KYONG SHIN
SIGNATURE:	/Mi Kyong Shin/
DATE SIGNED:	12/20/2016

Total Attachments: 2

source=A16030BWO01-executed-Declaration-Assignment#page1.tif source=A16030BWO01-executed-Declaration-Assignment#page2.tif

PATENT REEL: 040688 FRAME: 0320 504136857

Customer No. 24498

DECLARATION

Docket No. PD1400548

As a below named inventor, I hereby declare that:

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

METHOD AND APPARATUS FOR DECODING A COMPRESSED HOA REPRESENTATION, AND METHOD AND APPARATUS FOR **ENCODING A COMPRESSED HOA REPRESENTATION**

the specification of which was filed on

July 2, 2015 as Application Senal No. PCT/EP2015/065089 or, if not identified here by filing date and sensi number, is attached hereto

and was amended on

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-inpart applications, material information which became available between the filing data 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 16 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 paths, 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 conporation 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 suthorize 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 aguivalent 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 covenent with Thomson Licensing, its successors, essigns, legal representatives, and numinees, that to the best of my knowledge the right, tate 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>Vunstorf</u>	Date	June 1,2016
inventor Name	_KORDON Sven (Type or Print)		Sugnature in Full - No Initials

Post Office Address: Mühlenkampstraße 50A, 31515 Wunstorf, GERMANY

1" Witness

2rd Witness

Customer No. 24498

DECLARATION

Docket No. PD140054B

As a below named inventor, I hereby declars 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

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PCT/EP2015/065069

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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 Paters that may be granted therefor, and any divisions, continuations, reissues and extensions thereof,

I agree that, when requested, I will, without charge to said conporation but at its expense, sign all papers, take all rightful callts, 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 comporation, its successors, assigns or

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I authorize and empower said corporation, its successors, assigns or nominees, to make application for petent or other form of protection for said inventions in its or their own name, or in mylour name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions fied 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 attressed 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 coverant 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.

Staned at

Date

Inventor

Name

KRUEGER Alexander

(Type or Print)

Post Office Address: Feuerbachstrasse 16, 30855 Hannover, GERMANY

ist Witness

– No Initials)

2rd Willness

RECORDED: 12/20/2016

EDE AHDREAS

PATENT

REEL: 040688 FRAME: 0322