506042065 05/01/2020

PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| FRANCK GALPIN | 08/30/2018 |
| FABRICE LELEANNEC | 09/03/2018 |
| GAGAN RATH | 09/17/2018 |

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| State/Country: | FRANCE |
| Postal Code: | 92130 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16634142 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: 2017P00094WOUS | |
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| NAME OF SUBMITTER: | PATRICIA A. VERLANGIERI |
| SIGNATURE: /Patricia A. Verlangieri, Reg. No.42201/ | |
| DATE SIGNED: | 05/01/2020 |

Total Attachments: 3

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PATENT 506042065 REEL: 052552 FRAME: 0734

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 ENCODING AND DECODING AN OMNID RECTIONAL VIDEO

| the specification of which was filed on July 10, 2018 | as Application Serial No. | PCT/EP2018/068621 | and was amended on |
|---|---|--------------------------------|--------------------|
| , CF, | If not identified here by filing date and seria | al 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 th | e above identified specification, including the | he claims, as amended by any | amendment |

reterred to above.

Lacknowledge 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 tiling 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 talse 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 self, 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.

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 little 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 hyoke 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 | Rennes | Date 30/08/2018 |
|-------------------------|--|--|
| Inventor NameF | ranck GALPIN(Type or Print) | (Signature in Fall - No Initials) |
| Post Office Address | c/o Technicolor, 975 avenue des Cedex, France | Champs Blancs, CS17616, F-35576 Cesson-Sévigné |
| 1 st Witness | Ciula Dacage (Type or Print) | (Signature in Full – No Initials) |
| 2 nd Witness | Spine Uvbm (Type or Print) | (Signature in Full – No Initials) |

PATENT REEL: 052552 FRAME: 0735

20/00/000

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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.

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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.

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 (esson-Siy) Date Systember 3 2018

Inventor Name Fabrice LELEANNEC (Type or Print) Figure in Full – No initials)

Post Office Address

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

1st Witness

KOBERT AWARE (Type or Print)

(Signature in Full - No Initials)

2nd Witness

(Type or Print)

(Signature in Full - No Initials)

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

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| Signed at CESTER | , Sévigné | Date 17-09-2018 |
|-------------------------|--|---|
| Inventor NameGagar | RATH(Type or Print) | (Signature in Full —No Tritials) |
| Post Office Address | c/o Technicolor, 975 avenue des C Cedex, France | hamps Blancs, CS17616, F-35576 Cesson-Sévigné |
| 1 st Witness | Taca je (Type or Prini) | (Signature in Full – No Initials) |
| 2 nd Witness | Type or Phint) | (Signature in Full – No Initials) |

PATENT REEL: 052552 FRAME: 0737

RECORDED: 05/01/2020