## 504895167 05/02/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4941910

| SUBMISSION TYPE:      | NEW ASSIGNMENT |  |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |  |

#### **CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| MATTHIAS RESO   | 06/23/2015     |
| JOERN JACHALSKY | 08/05/2015     |
| BODO ROSENHAHN  | 04/27/2015     |

### **RECEIVING PARTY DATA**

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

### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |  |  |
|---------------------|----------|--|--|
| Application Number: | 14745424 |  |  |

### **CORRESPONDENCE DATA**

Fax Number:

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.

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| ATTORNEY DOCKET NUMBER: | PD140017            |  |
|-------------------------|---------------------|--|
| NAME OF SUBMITTER:      | JEROME G. SCHAEFER  |  |
| SIGNATURE:              | /Jerome G Schaefer/ |  |
| DATE SIGNED:            | 05/02/2018          |  |

## **Total Attachments: 3**

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PATENT 504895167 REEL: 045689 FRAME: 0390

Customer No. 24498

## DECLARATION

Docket No. PD140017

| I believe I am<br>the invention entitle   | વ   | original joint inventor of the   |   | er which is claimed and for which a patent is sought on  |
|---|---|--|---|--|
| METHOD AND AP   | PARATUS FOR GENE  | RATING TEMPORALLY  | CONSISTEN   |  |
| the specification of  |   |  | e by filing dat   | ation Serial No. $14/745.242$ and was amended to and serial number, is attached hereto.  |
|   |   | ade or authorized to be mad<br>ntents of the above identified  |   | , including the claims, as amended by any amendment  |
| part applications, m<br>international filing d  | aterial information which<br>ate of the continuation in   | became available between i<br>part application.  | ine tiling date   | is defined in 37 CFR 1.56, including for continuation-in-<br>of the prior application and the national or PCT  |
| are believed to be to   | rue; and further that these   |  | h the knowled   | and that all statements made on information and belief<br>tige that willful false statements and the like so made<br>18 USC 1001.  |
| ASSIG   | nment and ag  | reement in an /  | \PPLICAT  | tion for letters patent  |
| existing under the is<br>inventions, including<br>granted therefor, an<br>I agree that<br>make all rightful der   | ews of the country of Frei<br>g India and the United St<br>d any divisions, continued<br>t, when requested, I will,<br>densitions and do all acts   | nce, its successors, and ass<br>ates of America, and all the<br>flons, reissues and extension<br>without charge to said cor<br>which may be necessary, di  | signs my enting inghts and property of the control | homeon Licensing, a corporation duly organized and a right, title and interest, for all countries in and to said rivileges under any and all Letters Patent that may be at its expense, sign all papers, take all rightful paths, invenient for securing and maintaining patents or other hereto in said corporation, its successors, assigns or   |
| I agree that<br>requested by said<br>corporation, its succ  | corporation and at its ex   | pense will testify in any le-  | gal proceedin   | acts known to me respecting said inventions and when<br>ugs, and generally do everything possible to aid said<br>or enforce proper protection for said inventions in any   |
| protection for said in<br>for patent or other in<br>Convention for the<br>invoke and claim au. I hereby con<br>or like document whits successors, assist<br>the right of priority<br>which may hencetor<br>I covenant v | iventions in its or their ow<br>form of protection for sai<br>Protection of Industrial P<br>ich right of priority without<br>insent that a copy of this a<br>nich may be required in a<br>gas or rominees to apply<br>provided by the Internati<br>th be substituted for it.<br>with Thomson Licensing. | in name, or in my/our name,<br>d inventions filed by it or the<br>reperty, as amended, or by<br>i further written or oral author<br>assignment shall be deemed<br>iny country for any purpose<br>if for patent or other proper<br>itenal. Convention for the Prints<br>successors, assigns, leg- | , in any and a<br>em, the bene<br>any conventi<br>rization from<br>I a full legal ar<br>and more par<br>proteotion for<br>otection of in<br>at rapresental  | nees, to make application for patent or other form of<br>il countries and to invoke and claim for any application<br>ifft of the right of priority provided by the International<br>on which may henceforth be substituted for it, and to<br>me.<br>In the proof of the right of the said corporation or<br>said inventions, and to claim the aforesaid benefits of<br>dustrial Property, as amended, or by any convention<br>tives, and nominees, that to the best of my knowledge<br>arros, and that I have full right to convey the same as |
| Signed at   | Hannover/Germany  |  | Date  | 03.04.2045   |
|   |   |  |   |  |
| Inventor<br>Name  | Matthias RESO   |  |   |  |
|   | (Type or P  | rint)  |   | (Signature in Fulf – No Initials)  |
| Post Office<br>Address  | Hebbelstr. 13, 3017   | 7 HANNOVER, Germai   | ný  |  |
|   |   |  |   | 1 12   |
| 1st Witness   | Thomas KRAUSE   |  |   | 'I Wasaa   |
| ( ) XX(0) (CO)  | (Type or P  |  | ·····   | (Signature in Full – No Initials)  |
|   |   |  |   |  |
| 2 <sup>nd</sup> Witness   | Petrissa ZELL   |  |   | - U  |
| v AARROND   | (Type or P  | rínf)  |   | (Signature in Full – No Initials)  |

PATENT REEL: 045689 FRAME: 0391 Customer No. 24498

#### DECLARATION

Docket No. PD140017

. my land a miles

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 GENERATING TEMPORALLY CONSISTENT SUPERPIXELS

the specification of which was filed on  $\frac{\text{June } 20,2015}{\text{cor, if not identified here by filing date and serial number, is attached hereto.}$ 

and was amended on

The above identified application was made or authorized to be made by me.

I have revisived and understand the contents of the above Identified specification, including the claims, as amended by any amendment referred to above.

Lacknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.55, including for continuation-inpart applications, material information which became available between the filling 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 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.

I agree that, when requested. I will, without charge to said corporation but at its expense, sign all papers, take all rightful naths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of projection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nonliness.

Lagras that I will communicate to eald 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 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 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 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 herceforth be substituted for it.

I coverient 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               | Hannover/Germany                     | Date <u>2015/08/05</u>            |
|-------------------------|--------------------------------------|-----------------------------------|
| inventor<br>Name        | Joern JACHALSKY<br>(Type or Print)   | (Signature in Full – No Inilials) |
| Post Office<br>Address  | Landwehr 8, 30974 WENNIGSEN, Germany |                                   |
| 1 <sup>st</sup> Witness | Susanne WIRTZ (Type or Print)        | (Signature in Full – No Initials) |
| 2 <sup>nd</sup> Wilness | Cordula RATAJCZAK (Type or Print)    | <u> </u>                          |

PATENT REEL: 045689 FRAME: 0392 Customer No. 24498

#### DECLARATION

Docket No. PD140017

| METHOD AND APPARATUS FOR GEN<br>the specification of which was filed on  | June 20, 2015  |  | I SUPERPIXEL:<br>ition Serial No.                                   | 8<br>14/745,242  | and was amended  |
|--|--|--|---|--|--|
| and approximation, or reproductives and or or  | , or, if not identified h  | ere by Illing date   | e and serial numb   | er, is attached herete   | χ  |
| The above-identified application was r<br>I have reviewed and understand the c<br>referred to above.   | hade or authorized to be ma<br>ontents of the above identific  | ed specification,  | including the clai  | ms, as amended by  | any amendment  |
| Lacknowledge the duty to disclose infi<br>part applications, material information which<br>international filing date of the continuation-in<br>I hereby declare that all statements m  | n became available betweer<br>n-part application.  | the filing date o  | of the prior applica  | ition and the nationa  | or PCT   |
| are believed to be true, and further that the<br>are punishable by line or imprisonment of n   | se statements were made w  | ith the knowledg   | e that willful talse  |  |  |
| ASSIGNMENT AND /   | Agreement in an  | APPLICAT   | ion for le  | tters paten  | i T  |
| For valuable consideration receive<br>existing under the laws of the country of Fr<br>inventions, including India and the United !<br>granted therefor, and any divisions, continu   | ance, its successors, and ar<br>States of America, and all th<br>ations, reissues and extensi                                  | isigns my entire<br>ne rights and pri<br>ons thereof.                          | right, title and int<br>vileges under an                            | erest, for all countrie<br>y and all Letters Pati                        | s in and to said<br>ant that may be                      |
| I agree that, when requested, I wi<br>make all rightful declarations and do all act<br>forms of protection for said inventions in a<br>nominees.   | s which may be necessary,<br>only and all countries and fo   | desirable or our<br>ir vesting title if  | venient for secur<br>ereto in said cor                              | ing and maintaining<br>poration, its success                             | patents or other<br>ors, assigns or                      |
| I agree that I will communicate to s<br>requested by said corporation and at its of<br>corporation, its successors, assigns and le-<br>and all countries.  | expense will testify in any :<br>gal representatives or nomin  | egal proceeding<br>sees, to obtain o   | is, and generally<br>or enforce proper                              | do everything pose<br>protection for said in                             | ible to aid said<br>wentions in any                      |
| I authorize and empower said cor<br>protection for said inventions in its or their of<br>for patent or other form of protection for si-<br>Convention for the Protection of Industrial<br>invoke and claim such right of priority withou | own name, or in mylour nam<br>aid inventions filed by if or t<br>Property, as amended, or b<br>ut further written or oral auth | e, in any and all<br>them, the benef<br>by any convention<br>portration from n | countries and to<br>it of the right of p<br>on which may her<br>ie. | invoke and claim for<br>priority provided by to<br>neeforth be substitut | any application<br>he international<br>ed for it, and to |
| I hereby consent that a copy of this<br>or like document which may be required in<br>its successors, assigns or nominees to app<br>the right of priority provided by the interns<br>which may henceforth be substituted for it.          | any country for any purpos<br>ily for patent or other prope<br>ational Convention for the F                                    | e and more part<br>r protection for s<br>Protection of Ind                     | icularly in proof o<br>aid inventions, a<br>lustrial Property,      | of the right of the sain<br>not to claim the afore<br>as amended, or by  | d corporation or<br>said benefits of<br>any convention   |
| I covenant with Thomson Licensing<br>the right, title and interest herein conveyed<br>herein expressed.  |  |  |   |  |  |
| Hannover/Germany   |  |  | 77.04.1   |  |  |

> PATENT REEL: 045689 FRAME: 0393

**RECORDED: 05/02/2018**