## 505396793 03/27/2019

# PATENT ASSIGNMENT COVER SHEET

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

#### **CONVEYING PARTY DATA**

| Name                       | Execution Date |
|----------------------------|----------------|
| TIMO FREDERIK SATTEL       | 02/01/2019     |
| OLIVER WOYWODE             | 11/28/2018     |
| JENS RADVAN                | 11/27/2018     |
| CHRISTIAN WILLY VOLLERTSEN | 02/01/2019     |

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| City:           | EINDHOVEN                |
| State/Country:  | NETHERLANDS              |
| Postal Code:    | 5656 AE                  |

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

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16337164 |

## **CORRESPONDENCE DATA**

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| SIGNATURE:              | /NOEMI CHAPA/  |
| DATE SIGNED:            | 03/27/2019     |

# **Total Attachments: 3**

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PATENT 505396793 REEL: 048716 FRAME: 0075

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PATENT REEL: 048716 FRAME: 0076 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s) or Inventor,

Date: 1.1.2019

| having a place of business at High  | Tech Camp                        | and exclusive right, title, and interest in the follows 5, 5656 AE, Eindhoven, the Netherlands, its ctively "the Assignee") my/our invention for whi  | s successors, assigns, and legal  |
|---|----------------------------------|---|---|
| is executed concurrently herewi   |                                  |   |   |
| was filed on ***, having a United   | -                                |   |   |
| was filed on 2017-Nov-08, having  | ng an Interr                     | national Application No. PCT/EP2017/078598,   |   |
| therewith, based thereon, or claimir<br>divisions, continuations, continuatio | ng priority th<br>ins-in-part, i | other United States, foreign and international prerefrom including, but not limited to, any and a re-examinations, reissues, and extensions ther, and interest in and to any and all patents gran   | all provisionals, non-provisionals<br>reof, and the right to claim priority |
|   |                                  | ice officials in the United States and in any and<br>the Assignee(s), for its sole use, and that of its   |   |
| Upon request at the expense of the proceedings including patent prose         | Assignee,<br>cution actio        | the Assignee to enjoy the foregoing right, title, l/we agree to execute all papers, take all rightfons and infringement actions, and do all other song and maintaining patents on the foregoing inv | ul oaths, testify in all legal<br>uch acts which may be                     |
| I/We certify that I/we have the full ri                                       | ight to conv                     | ey the above rights.  |   |
|   |                                  | that the above-identified application was made<br>al joint Inventor of a claimed invention in the ap  |   |
| I hereby acknowledge that any willf imprisonment of not more than five        |                                  | tement made in this declaration is punishable υ<br>or both.   | inder 18 U.S.C. 1001 by fine or   |
| Date: <u>12-2019</u> S  | ignature:                        | Timo Frederik SATTEL  | , Assignor/inventor   |
| Date:S  | ignature:                        | Oliver WOYWODE  | , Assignor/Inventor   |
| Date: S   | ionature:                        | Oliver WOYWODE  | Assignor/inventor   |

Jens RADYAN

Christian Willy VOLLERTSEN

Signature:

PATENT REEL: 048716 FRAME: 0077

Assignor/inventor

U.S.A. Sole/Joint

| hereby sell, and assign, and transfer the e<br>having a place of business at High Tech C   | hich I/we acknowledge receipt, I/we as a below<br>ntire and exclusive right, title, and interest in the<br>campus 5, 5656 AE, Eindhoven, the Netherland  | e following to Koninklijke Philips N.V.,<br>ls, its successors, assigns, and legal |
|--|--|--|
| representatives, including any nominees (  | collectively "the Assignee") my/our invention for  | r which an application:  |
| is executed concurrently herewith  |  |  |
| was filed on ***, having a United State  | • •  |  |
| was filed on 2017-Nov-08, having an I  | nternational Application No. PCT/EP2017/0785   | 598,   |
| therewith, based thereon, or claiming prior<br>divisions, continuations, continuations-in- | nd all other United States, foreign and internation<br>rity therefrom including, but not limited to, any a<br>part, re-examinations, reissues, and extensions<br>title, and interest in and to any and all patents | and all provisionals, non-provisionals thereof, and the right to claim priority    |
| · •  | t Office officials in the United States and in any<br>y to the Assignee(s), for its sole use, and that o   | •  |
| Upon request at the expense of the Assig proceedings including patent prosecution          | nable the Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take all right actions and infringement actions, and do all oth curing and maintaining patents on the foregoing            | ightful oaths, testify in all legal<br>ner such acts which may be                  |
| I/We certify that I/we have the full right to  | convey the above rights.   |  |
|  | are that the above-identified application was m<br>riginal joint Inventor of a claimed invention in the  |  |
| I hereby acknowledge that any willful false imprisonment of not more than five (5) year    | e statement made in this declaration is punishal ars, or both.   | ble under 18 U.S.C. 1001 by fine or  |
| Date: Signatu  | re:  | , Assignor/Inventor  |
|  | Timo Frederik SATTEL   |  |
| Date: $Nov. 28, 2018$ Signatu  | Oliver WOYWODE   | , Assignor/Inventor  |
| Date: Signatu  |  | , Assignor/Inventor  |

Jens RADVAN

Christian Willy VOLLERTSEN

Signature:

Date: \_\_\_\_\_

PATENT REEL: 048716 FRAME: 0078

Assignor/Inventor

**RECORDED: 03/27/2019** 

| Date:  | Signature:                            |   | Assignor/Inventor  |
|--|---------------------------------------|---|--|
| Date: 27.11.20%  | Signature:                            | Olivýr WOYWODE<br>Jesp MADVAN   | Assignor/Inventor  |
| Date:  | Signature:                            | 8   | Assignor/Inventor  |
| Date:  | Signature:                            | Timo Frederik SATTEL  | Assignor/Inventor  |
| i hereby acknowledge that any<br>imprisonment of not more than                             | five (5) years,                       | tement made in this declaration is punishable under<br>or both.   |  |
|  |                                       | al joint Inventor of a claimed invention in the applica   |  |
|  |                                       | that the above-identified application was made or at  | ·  |
| //We certify that I/we have the f  | ull right to com                      | vey the above rights.   |  |
| Upon request at the expense or proceedings including patent pr                             | f the Assignee,<br>rosecution action  | e the Assignee to enjoy the foregoing right, title, and , I/we agree to execute all papers, take all rightful oa ons and infringement actions, and do all other such and and maintaining patents on the foregoing inventions. | iths, testify in all legal<br>acts which may be                |
|  |                                       | fice officials in the United States and in any and all f<br>the Assignee(s), for its sole use, and that of its succ   |  |
| therewith, based thereon, or cla<br>divisions, continuations, continu                      | aiming priority t<br>Lations-in-part, | I other United States, foreign and international pater herefrom including, but not limited to, any and all profeseraminations, reissues, and extensions thereof, and interest in and to any and all patents granted           | ovisionals, non-provisionals and the right to claim priority   |
| ☐ is executed concurrently he ☐ was filed on ***, having a U ☐ was filed on 2017-Nov-08, I | nited States Ap                       | oplication No. ***<br>mational Application No. PCT/EP2017/078598,   |  |
| hereby sell, and assign, and tra<br>having a place of business at H                        | insfer the entire<br>ligh Tech Cam    | e and exclusive right, litle, and interest in the following<br>pus 5, 5656 AE, Eindhoven, the Netherlands, its suc-<br>ectively "the Assignee") my/our invention for which a  | ng to Koninklijke Philips N.V.,<br>cessors, assigns, and legal |

Christian Willy VOLLERTSEN

PATENT REEL: 048716 FRAME: 0079