## 504041957 10/07/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

sion v1.1 EPAS ID: PAT4088618

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

#### **CONVEYING PARTY DATA**

| Name                               | Execution Date |
|------------------------------------|----------------|
| LENNART YSEBOODT                   | 10/07/2016     |
| STEFAN MARCUS VERBRUGH             | 05/13/2015     |
| MATTHIAS WENDT                     | 05/13/2015     |
| BOB BERNARDUS ANTHONIUS THEUNISSEN | 05/13/2015     |
| HENRICUS THEODORUS VAN DER ZANDEN  | 07/09/2015     |

#### RECEIVING PARTY DATA

| Name:           | KONINKLIJKE PHILIPS N.V. |
|-----------------|--------------------------|
| Street Address: | HIGH TECH CAMPUS 5       |
| City:           | EINDHOVEN                |
| State/Country:  | NETHERLANDS              |
| Postal Code:    | 5656 AE                  |

## **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |  |
|---------------------|----------|--|
| Application Number: | 15112424 |  |

### **CORRESPONDENCE DATA**

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| ATTORNEY DOCKET NUMBER: | 2013P01427WOUS         |
|-------------------------|------------------------|
| NAME OF SUBMITTER:      | DANIEL J. PIOTROWSKI   |
| SIGNATURE:              | /DANIEL J. PIOTROWSKI/ |
| DATE SIGNED:            | 10/07/2016             |
|                         |                        |

Total Attachments: 5

PATENT REEL: 039968 FRAME: 0113 source=2013P01427WOUS\_ASSIGNMENT#page1.tif source=2013P01427WOUS\_ASSIGNMENT#page2.tif source=2013P01427WOUS\_ASSIGNMENT#page3.tif source=2013P01427WOUS\_ASSIGNMENT#page4.tif source=2013P01427WOUS\_ASSIGNMENT#page5.tif

> PATENT REEL: 039968 FRAME: 0114

| For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,           |
|---|
| and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips N.V., having |
| a place of business at High Tech Campus 5,5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal                 |
| representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:                  |

|   | is executed concurrently herewith   |
|---|---|
|   | was executed by me/us on  |
|   | was filed on, having a Serial No  |
| X | was filed on. 14 Jan 2015, having an International Application No. PCT/EP2015/050539, |

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

| 7 <sup>th</sup> Oct 2016 | (sign name here) (print name here) | Lennart YSEBOODT                   | , Assignor |
|--------------------------|------------------------------------|------------------------------------|------------|
| Date                     | (print name here)                  | Stefan Marcus VERBRUGH             | , Assignor |
| Date                     | (print name here)                  | Matthias WENDT                     | , Assignor |
| Date                     | (print name here)                  | Bob Bernardus Anthonius THEUNISSEN | , Assignor |
| Date                     | (print name here)                  | Henricus Theodorus VAN DER ZANDEN  | , Assignor |

Page 1 of 1

#### ASSIGNMENT

| For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,           |
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| representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:                  |

|             | is e | xecuted co | oncurrently herewith  |
|-------------|------|------------|---|
|             | was  | executed   | by me/us on   |
|             | was  | filed on.  | , having a Serial No.   |
| $\boxtimes$ | was  | filed on.  | 14 Jan 2015, having an International Application No. PCT/EP2015/050539, |

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

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I/We certify that I/we have the full right to convey the above rights.

|          | (sign name here)  |                                    |            |
|----------|-------------------|------------------------------------|------------|
| Date     | (print name here) | Lennart YSEBOODT                   | , Assignor |
| Man 13 2 | 1015 Verbral      | Sh Lendont                         |            |
| Date     | (print name here) | Stefan Marcus VERBRUGH             | Assignor   |
| Date     | (print name here) | Matthias WENDT                     | , Assignor |
| Date     | (print name here) | Bob Bernardus Anthonius THEUNISSEN | , Assignor |
| Date     | (print name here) | Henricus Theodorus VAN DER ZANDEN  | , Assignor |

Page 1 of 1

| For good and valua                   | able consideration, of whic   | h I/we acknowledge receipt, I/we as a below-na  | med Assignor(s), hereby sell,                                |
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| and assign, and tra                  | nsfer the entire and exclus   | ive right, title, and interest in the following to Ke   | oninklijke Philips N.V., having                              |
| a place of business                  | at High Tech Campus 5,5   | 656 AE, Eindhoven, the Netherlands, its success   | ors, assigns, and legal                                      |
| representatives, inc                 | cluding any nominees (col   | lectively "the Assignee") my/our invention for w  | hich an application:   |
| is executed con                      | currently herewith  |   |  |
|                                      | y me/us on  |   |  |
|                                      |   | , having a Serial No.   | *******  |
|                                      |   | rnational Application No. PCT/EP2015/050539   |  |
| and all rights in an                 | d to said application, and a  | all other United States, foreign and international  | patent applications associated                               |
|                                      | • •   | therefrom including, but not limited to, any and  |  |
|                                      | -   | iations-in-part, re-examinations, reissues, and ex  |  |
| •                                    |   | usive right, title, and interest in and to any and a  |  |
| applications.                        |   |   |  |
| I/We authorize and                   | I request that the Patent Of  | fice officials in the United States and in any and  | all foreign countries to issue                               |
| any and all Letters                  | Patent when granted, sole   | ly to the Assignee(a), for its sole use, and that of  | its successors, assigns, and                                 |
| legal representative                 | es.   |   |  |
| extent. Upon requiegal proceedings i | est at the expense of the A<br>including patent prosecution<br>ie, or convenient for securi | ble the Assignee to enjoy the foregoing right, titl ssignee, I/we agree to execute all papers, take all on actions and infringement actions, and do all of any and maintaining patents on the foregoing investigations. | rightful oaths, testify in all<br>her such acts which may be |
| I/We certify that I/                 | we have the full right to co  | onvey the above rights.   |  |
|                                      |   |   |  |
|                                      | (sign name here)  |   |  |
| Date                                 | (print name here)   | Lennart YSEBOODT  | , Assignor   |
| Date                                 | (print name here)   | Stefan Marcus VERBRUGH  | , Assignor   |
| 13, 5, 13                            |   | J. L.   |  |
| Date                                 | (print name here)   | Matthias WENDT  | . Assignor   |
| Date                                 | (print name here)   | Bob Bernardus Anthonius THEUNISSEN  | , Assignor   |
| Date                                 | (print name here)   | Henricus Theodorus VAN DER ZANDEN   | , Assignor   |
|                                      | Se Se   |   | , ,  |

Page 1 of 1

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For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

| a place of busin                     | ness at High Tech Campus 5,   | sive right, title, and interest in the following to K<br>5656 AE, Eindhoven, the Netherlands, its succes   | sors, assigns, and legal                |   |
|--------------------------------------|---|--|---|---|
| representatives                      | s, including any nominees (co   | llectively "the Assignee") my/our invention for v  | which an application:                   |   |
| is executed                          | concurrently herewith   |  |   |   |
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|                                      |   | ., having a Serial No.   | *************************************** |   |
|                                      |   | ernational Application No. PCT/EP2015/050539   |   |   |
| and all rights in                    | n and to said application, and  | all other United States, foreign and international   | patent applications associated          |   |
| therewith, base                      | d thereon, or claiming priorit  | y therefrom including, but not limited to, any and   | d all provisionals, non-                |   |
| provisionals di                      | visions, continuations, contin  | uations-in-part, re-examinations, reissues, and ex   | tensions thereof, and the right t       | o |
| claim priority t                     | hereto, and the entire and exc  | lusive right, title, and interest in and to any and a  | all patents granted on these            |   |
| applications.                        |   |  |   |   |
| any and all Lett<br>legal representa | ters Patent when granted, sole<br>atives.<br>de my/our cooperation to ena | ffice officials in the United States and in any and ely to the Assignee(s), for its sole use, and that of the ble the Assignee to enjoy the foregoing right, title   | its successors, assigns, and            |   |
|                                      |   | assignee, I/we agree to execute all papers, take al  | <del>-</del>                            |   |
|                                      |   | on actions and infringement actions, and do all or   | <b>-</b>                                |   |
|                                      |   | ing and maintaining patents on the foregoing inv   | ention or for perfecting title          |   |
| thereto in the A                     | ssignee.  |  |   |   |
| I/We certify tha                     | at I/we have the full right to co   | onvey the above rights.  |   |   |
|                                      |   |  |   |   |
|                                      | (sign name here)  |  |   |   |
| Date                                 | (print name here)   | Lennart YSEBOODT   | Aprimo                                  |   |
| Date                                 | (print name nere)   | Demait ISEBOOD!  | , Assignor                              |   |
| Date                                 | (print name here)   | Stefan Marcus VERBRUGH   | , Assignor                              |   |
|                                      | ų,  |  | , ribbiguoi                             |   |
| Date                                 | (print name here)   | Matthias WENDT   | , Assignor                              |   |
|                                      |   | Face St. St. comments  | ,                                       |   |
| Date                                 | (print name here)   | Bon Berngreius Anthonius THEUNISSEN  | , Assignor                              |   |
|                                      | ,   | VI 2 de la companya del companya de la companya del companya de la | , <del></del>                           |   |
| Date                                 | (print name here)   | Henricus Theodorus VAN DER ZANDEN  | , Assignor                              |   |
|                                      |   |  |   |   |

Page 1 of 1

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

| and assign, and   | transfer the entire and exclus   | ive right, title, and interest in the following to K | oninklijke Philips N.V., having  |
|-------------------|--|--|----------------------------------|
| a place of busine | ess at High Tech Campus 5,5  | 656 AE, Eindhoven, the Netherlands, its success      | sors, assigns, and legal         |
| representatives,  | including any nominees (coll   | lectively "the Assignee") my/our invention for w     | hich an application:             |
| is executed c     | concurrently herewith  |  |                                  |
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|                   |  | , having a Serial No                                 |                                  |
| was filed on.     | . 14 Jan 2015, having an Inte  | rnational Application No. PCT/EP2015/050539          | 9,                               |
| and all rights in | and to said application, and a   | sil other United States, foreign and international   | patent applications associated   |
|                   |  | therefrom including, but not limited to, any and     |                                  |
| -                 |  | ations-in-part, re-examinations, reissues, and ex    | **                               |
| •                 | ereto, and the entire and excl   | usive right, title, and interest in and to any and a | ll patents granted on these      |
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| any and all Lette | ers Patent when granted, sole  | ly to the Assignee(s), for its sole use, and that of | its successors, assigns, and     |
| legal representat | tives.   |  |                                  |
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| legal proceeding  | s including patent prosecution   | on actions and infringement actions, and do all o    | ther such acts which may be      |
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| thereto in the As | ssignee.   |  |                                  |
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|                   |  |  |                                  |
|                   | (sign name here)   |  |                                  |
| Date              | (print name here)  | Lennart YSEBOODT                                     | , Assignor                       |
|                   |  |  |                                  |
| Date              | (print name here)  | Stefan Marcus VERBRUGH                               | , Assignor                       |
| Date              | (print name here)  | Matthias WENDT                                       | , Assignor                       |
| Date              | (print name here)  | Bob Bernardus Anthonius THEUNISSEN                   | , Assignor                       |
| 9-2-20<br>Date    | 16. The second of the second o |  | CH. Land Demoder                 |
| Date              | (print name here)  | Henricus Theodorus VAN DER ZANDEN                    | Assignor                         |

Page 1 of 1

PATENT REEL: 039968 FRAME: 0119