503733493 03/11/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3780135

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------------|----------------|
| DZMITRY VIKTOROVICH ALIAKSEYEU | 09/05/2014 |
| PHILIP STEVEN NEWTON | 09/30/2014 |
| BARTEL MARINUS VAN DE SLUIS | 09/08/2014 |
| TATIANA ALEKSANDROVNA LASHINA | 09/05/2014 |

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: | 15021525 |

CORRESPONDENCE DATA

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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: | 2013P00891WOUS |
|-------------------------|-------------------------|
| NAME OF SUBMITTER: | MEENAKSHY CHAKRAVORTY |
| SIGNATURE: | /Meenakshy Chakravorty/ |
| DATE SIGNED: | 03/11/2016 |

Total Attachments: 4

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Date

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| representatives, includin | g any nominees (collectiv | ely "the Assignee") my/our invention for wh | ich an application: |
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| | | ving a Serial No | |
| | | onal Application No. PCT/IB2014/064269, | |
| and all rights in and to s | aid application, and all otl | ner United States, foreign and international p | atent applications associated |
| therewith, based thereon | i, or claiming priority ther | efrom including, but not limited to, any and a | all provisionals, non- |
| provisionals divisions, c | ontinuations, continuation | ns-in-part, re-examinations, reissues, and exte | msions thereof, and the right to |
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| applications. | | • | , " |
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| • | | officials in the United States and in any and a | |
| • | it when granted, solely to | the Assignee(s), for its sole use, and that of i | ts successors, assigns, and |
| legal representatives. | | | |
| I/We will provide my/or | ir cooperation to enable th | ne Assignce to enjoy the foregoing right, title | , and interest to the fullest |
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| 5-9-2014 | (sign name here) | | |
| Date | (print name here) | Dzmlir/Viktorovich ALIAKSEYEU | , Assignor |
| Date | (print name here) | Philip Steven NEWTON | , Assignor |
| Date | (print name here) | Bartel Marinus VAN DE SLUIS | , Assignor |

Page 1 of 1

(print name here)

Tatiana Aleksandrovna LASHINA

, Assignor

| 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 | g |
| a place of business at High Tech Campus 5,5636 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 | |
| was filed on. 05 Sep 2014, having an International Application No. PCT/IB2014/064269, | |
| 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- | |

therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, nonprovisionals 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.

| | (sign name here) | | |
|----------------|-------------------|--------------------------------|------------|
| Date 20-4-2016 | (print name here) | Dzmitry Vikidrovich ALIAKSEYEU | , Assignor |
| Date 7 | (print name here) | Milip Steven NEWTON | , Assignor |
| Date | (print name here) | Bartel Marinus VAN DE SLUIS | , Assignor |
| Date | (print name here) | Tatiana Aleksandrovna LASHINA | , Assignor |

Page 1 of 1

U.S.A. Sole/Joint

| 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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| 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 |

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 ouths, 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.

was executed by me/us on

| | (sign name here) | | |
|---------------------|-------------------|--------------------------------|------------|
| Date | (print name here) | Dzmitry Viktorovich ALIAKSEYEU | , Assignor |
| Date V 894, 2014 | (print name here) | Philip Steves NEWTON | , Assignor |
| Date | (print name here) | Barlet Marinus VAN DE SLUIS | , Assignor |
| Date | (print name here) | Tatiana Aleksandrovna LASHINA | 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,

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| a place of business at High | h Tech Campus 5,5656 / | AE, Eindhoven, the Netherlands, its successo | rs, assigns, and legal |
| representatives, including | any nominees (collective | ely "the Assignee") my/our invention for wh | ich an application: |
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