503329175 06/01/2015

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| STEVEN RUSSELL FREEMAN | 10/14/2014 |
| BERNARD JOSEPH SAVORD | 10/14/2014 |

RECEIVING PARTY DATA

| Name: | KONINKLIJKE PHILIPS N.V. | | |
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| City: | EINDHOVEN | | |
| State/Country: | NETHERLANDS | | |
| Postal Code: | 5656AE | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14648741 |

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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| NAME OF SUBMITTER: | CHRISTOPHER L. KUYPER |
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| SIGNATURE: | /CHRISTOPHER L. KUYPER/ |
| DATE SIGNED: | 06/01/2015 |

Total Attachments: 2

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PATENT 503329175 REEL: 035752 FRAME: 0389

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 a | it High Tech Campus 5,5656 | AE, Eindhoven, the Netherlands, its suc | cessors, assigns, and legal |
|---|--|---|--|
| representatives, incl | uding any nominees (collectiv | vely "the Assignee") my/our invention I | for which an application: |
| is executed conc | urrently herewith | | |
| was executed by | me/us on | | |
| was filed on | | ving a Serial No | ************** |
| | | ional Application No. PCT/IB2013/060 | |
| therewith, based the provisionals division | reon, or claiming priority then as, continuations, continuation | her United States, foreign and internation refrom including, but not limited to, any nessin-part, re-examinations, reissues, and eright, title, and interest in and to any a | and all provisionals, non- d extensions thereof, and the right to |
| | atent when granted, solely to | officials in the United States and in any the Assignee(s), for its sole use, and the | - |
| extent. Upon requestlegal proceedings in | st at the expense of the Assign cluding patent prosecution ac , or convenient for securing a | he Assignee to enjoy the foregoing right nee, I/we agree to execute all papers, tak tions and infringement actions, and do a nd maintaining patents on the foregoing | te all rightful oaths, testify in all |
| I/We certify that I/w | e have the full right to conve | y the above rights. | |
| 10/11/14 | (sign name here) | Star Summ | simile. |
| Date | (print name here) | Steven Russell FREEMAN | , Assignor |
| Date | (print name here) | Bernard Joseph SAVORD | , Assignor |

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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, 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 he was executed by me/us on was filed on. was filed on. 29 Nev 2013 | , having | g a Serial No | | ···· |
| and all rights in and to said ap therewith, based thereon, or of provisionals divisions, continu- claim priority thereto, and the applications. | aiming priority therefro | om including, but not li 1-part, re-examinations | mited to, any and all ; , reissues, and extens | provisionals, non- ions thereof, and the right to |
| I/We authorize and request that any and all Letters Patent whe legal representatives. | | | | • |
| I/We will provide my/our coop extent. Upon request at the ex legal proceedings including pa necessary, desirable, or conver thereto in the Assignee. | pense of the Assignee, itent prosecution actions | I/we agree to execute a s and infringement acti | all papers, take all rig ons, and do all other | htful oaths, testify in all such acts which may be |
| I/We certify that I/we have the | : full right to convey the | e above rights. | | |
| Date (pri | n name here) int name here) AAA T. SAVA | Steven Russell FREEN | MN | , Assignor |

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Bernard Joseph SAVORD

PATENT REEL: 035752 FRAME: 0391

, Assignor

(print name here)

Date