PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------------|----------------|
| DOROTHY ANITA STRASSNER | 11/24/2014 |
| JI CAO | 09/20/2014 |
| VIJAY THAKUR SHAMDASANI | 11/24/2014 |
| INTEKHAB ALAM MUFTI MOHAMMED | 09/18/2014 |

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15027050 |

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| DATE SIGNED: | 04/04/2016 |

Total Attachments: 2

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PATENT 503767089 REEL: 038183 FRAME: 0339

Date

| Tot good and valuable consideration, of which time devilonizate receift, have an a below-hambo | • |
|--|---|
| and assign, and transfer the entire and exclusive right, title, and interest in the following to Konin | klijke Philips N.V., having |
| a place of business at High Tech Campus 5,5656 AE, Lindhoven, the Netherlands, its successors, | assigns, and legal |
| representatives, including any nominees (collectively "the Assignee") my/our invention for which | h an application: |
| is executed concurrently herewith | |
| was executed by me/us on | |
| was filed on, having a Serial No | |
| was filed on. 17 Sep 2014, having an International Application No. PCT/IB2014/064575, | ••• |
| and all rights in and to said application, and all other United States, foreign and international pate | ent applications associated |
| therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all | |
| provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extens | • |
| claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all pa | |
| applications. | aratico per unitaria artico aratico |
| | |
| IFWe 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 | = |
| legal representatives. | ,,,,, |
| | |
| I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, a | nd interest to the fullest |
| extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rig | |
| legal proceedings including patent prosecution actions and infringement actions, and do all other | |
| necessary, desirable, or convenient for securing and maintaining patents on the foregoing inventi- | |
| thereto in the Assignee. | and the next presented series |
| | |
| I We certify that I we have the full right to convey the above rights. | |
| ///a 4 / 2-0/4 (sign name here) /////////////////////////////////// | |
| Date (print name here) Dorothy Anits STRASSNER | , Assignor |
| 09/20/4 Ji Can ///20 | |
| Date (print name here) Ji CAO | , Assignor |
| 11/24/2014 VIJAY SHAMDASAHI SYNT | |
| Date (print name here) Vijay Thakur SHAMDASANI | , Assignor |

Page 1 of 1

MOHAMMED

(print name here)

Intekhab Alam MUFTI

, Assignor

U.S.A. Sole/Joint

| and assign, and tran a place of business | sfor the entire and exclusive rig at High Tech Campus 5,5656 / | e acamowiedge receipt, it we as a tenow-teght, title, and interest in the following to large the Renderest in the following to large the Renderest in the Renderest in the Renderest invention for each "the Assignee") my/our invention for | Koninklijke Philips N.V., having ssors, assigns, and legal |
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| is executed conc | surrently herewith | | |
| was executed by | me/us on | *************************************** | |
| was filed on | , hav | ing a Scrial No | 5463E63E63E63 |
| | Sep 2014, having an Internstic | onal Application No. PCI/IB2014/06457 | 5, |
| therewith, based the provisionals divisio | reon, or claiming priority there ns, continuations, continuation | er United States, foreign and internations from including, but not limited to, any as s-in-part, re-examinations, reissues, and o right, title, and interest in and to any and | nd all provisionals, non- extensions thereof, and the right to |
| | Patent when granted, solely to t | officials in the United States and in any ar the Assignce(s), for its sole use, and that | |
| extent. Upon reque legal proceedings in | st at the expense of the Assign soluding patent prosecution act c, or convenient for securing an | e Assignee to enjoy the foregoing right, t ee, I/we agree to execute all papers, take ions and infringement actions, and do all d maintaining patents on the foregoing in | all rightful oaths, testify in all other such acts which may be |
| I/We certify that I/v | ve have the full right to convey | the above rights. | |
| | | | |
| | (sign name here) | | |
| Date | (print name here) | Dorothy Anita STRASSNER | , Assignor |
| Date | (print name here) | JI CAO | , Assignor |
| Date | (print name here) | Vijay Thakur SHAMDASANI | , Assignor |
| 18/SEP/2014 | INTEKHAS A HUFTI | Elett Net | y a muregyanak |
| Date | (print name here) | Intekhab Alam MUFTI | , Assignor |

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PATENT REEL: 038183 FRAME: 0341

, Assignor