504621718 11/01/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4668436

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| PRASENJIT ROY | 10/25/2017 |
| TOMAS RUSS | 10/31/2017 |
| CHIBING LIU | 10/25/2017 |
| PAUL BARIL | 10/30/2017 |

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: | 15789314 |

CORRESPONDENCE DATA

Fax Number: (914)495-9540

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.

Phone: 914-495-9516

Email: barbara.kinney@Philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

Address Line 1: 465 COLUMBUS AVENUE

Address Line 2: SUITE 340

Address Line 4: VALHALLA, NEW YORK 10595

| ATTORNEY DOCKET NUMBER: | 2017P02522US |
|-------------------------|------------------|
| NAME OF SUBMITTER: | KEVIN C. ECKER |
| SIGNATURE: | /kevin c. ecker/ |
| DATE SIGNED: | 11/01/2017 |

Total Attachments: 4

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PATENT 504621718 REEL: 044004 FRAME: 0381

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

(1) my/our invention relating to WIRELESS LOCATION RECOGNITION FOR

| is being filed concurrently herewith or X was filed in the United States Patent and Trademark Office on October 20, 20 having a Serial Number 15/789.314. | <u>917</u> , |
|---|--------------|

WEARABLE DEVICE for which a U.S. patent application

- (2) the foregoing 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, reexaminations, reissues, and extensions thereof, and
- (3) 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 issues any and all Letters Patent when granted, solely to Assignee 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 prosecutional 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.

| 10/25/2017 | Pr | eason jit Rob | . Assignor |
|------------|---|---------------|------------|
| Date | *************************************** | PRASENJIT ROY | |
| | | | , Assignor |
| Date | First LAST | TOMAS RUSS | |
| | | | , Assignor |
| Date | First LAST | CHIBING LIU | |
| | | | , Assianor |
| Date | First LAST | PAUL BARIL | |

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| ŝ | s beina filed | concurrenti | v herewith or | | | |
|-------------------|---------------|-------------|---------------|-----------|---|--|
| | ~ | | es Patent an | Office or | October 20 | 2017. |
| naving a Serial I | | | | | *************************************** | ************************************** |

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| | | | . Assignor |
|----------|------------|---------------|------------|
| Date | First LAST | PRASENJIT ROY | |
| 10/31/17 | - JOMAS | ZWI ST | , Assignor |
| Date / | First LAST | TOMAS RUSS | |
| | | | |
| | | | , Assignor |
| Date | First LAST | CHIBING LIU | |
| | | | |
| | | | , Assignor |
| Date | First LAST | PAUL BARIL | |

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(1) my/our invention relating to WIRELESS LOCATION RECOGNITION FOR

| vycarable device for which a d.S. patent application | |
|---|-----|
| is being filed concurrently herewith or | |
| X was filed in the United States Patent and Trademark Office on October 20. 3 | 201 |

having a Serial Number 15/789.314.

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| | | | <u>. Assigno</u> r |
|-----------|---------------------------------|---------------|--------------------|
| Date | First LAST | PRASENJIT ROY | |
| | ******************************* | | <u>Assigno</u> r |
| Date | First LAST | TOMAS RUSS | |
| johs/2017 | | | . Assignor |
| Date | First LAST | CHIBING LIU | |
| | | | |
| | | | . Assignor |
| Date | First LAST | PAUL BARIL | |

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| Date | First LAST PRASENJIT ROY | <u>Assignor</u> |
|--------------------------|--------------------------|-------------------|
| | First LAST TOMAS RUSS | <u>Assignor</u> |
| Date | First LAST CHIBING LIU | Assignor |
| 2 <u>007 2.a</u> Date | ム学 Tirst LAST PAUL BARIL | . <u>Assignor</u> |

PATENT REEL: 044004 FRAME: 0386

RECORDED: 11/01/2017