

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LUDOVICUS MARINUS GERARDUS MARIA TOLHUIZEN	09/24/2013
SRI ANDARI HUSEN	09/25/2013
OLIVER SCHREYER	09/25/2013
MENG ZHAO	09/25/2013
EMMANUEL DAVID LUCAS FRIMOUT	05/11/2017
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:	14429851
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	2012P00601WOUS
NAME OF SUBMITTER:	MEENAKSHY CHAKRAVORTY
SIGNATURE:	/Meenakshy Chakravorty/
DATE SIGNED:	01/31/2019
Total Attachments: 2	

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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, 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.
- was filed on. 30 Aug 2013, having an International Application No. PCT/IB2013/058146,

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.

September 24, 2013 (sign name here) L. Tolhuizen
 Date (print name here) Ludovicus Marinus Gerardus Maria Tolhuizen, Assignor

September 25, 2013 (sign name here) Sri Andari HUSEN
 Date (print name here) Sri Andari HUSEN, Assignor

September 25, 2013 (sign name here) Oliver Schreyer
 Date (print name here) Oliver SCHREYER, Assignor

September 25, 2013 (sign name here) Meng Zhao
 Date (print name here) Meng ZHAO, Assignor

(sign name here)
 Date (print name here) Emmanuel David Lucas FRIMOUT, Assignor

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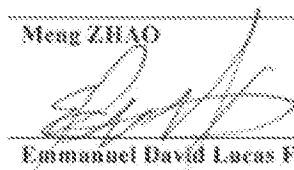
- is executed concurrently herewith
- was executed by me/us on
- was filed on, having a Serial No.
- was filed on **30 Aug 2013**, having an International Application No. **PCT/IB2013/058146**.

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)	Ludovicus Marius Gerardus Maria TOLHUIZEN	, Assignor
_____	(sign name here)	_____	_____
Date	(print name here)	Sri Aadari HUSEN	, Assignor
_____	(sign name here)	_____	_____
Date	(print name here)	Oliver SCHREYER	, Assignor
_____	(sign name here)	_____	_____
Date	(print name here)	Meng ZHAO	, Assignor
<u>5-11-2017</u>	(sign name here)		_____
Date	(print name here)	Emmanuel David Lucas FRIMOUT	, Assignor