

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TALMAI BRANDAO DE OLIVEIRA	06/06/2014
JIANFENG WANG	12/18/2015
DAVE ALBERTO TAVARES CAVALCANTI	06/06/2014
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:	14900216
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NAME OF SUBMITTER:	DANIEL J. PIOTROWSKI
SIGNATURE:	/Daniel J. Piotrowski/
DATE SIGNED:	12/21/2015
Total Attachments: 3	
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source=2012P01444WOUS_Assignment#page3.tif	

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. 06 Jun 2014, having an International Application No. PCT/IB2014/062005,

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.

<u>June 6th, 2014</u> Date	<u>TALMAI B OLIVEIRA</u> (sign name here) <u>TALMAI BRANDAO DE OLIVEIRA</u> (print name here)	<u>TALMAI B OLIVEIRA</u> <u>TALMAI BRANDAO DE OLIVEIRA</u> , Assignor
..... Date (print name here)	<u>Jianfeng WANG</u> , Assignor
..... Date (print name here)	<u>Dave Alberto Tavares CAVALCANTI</u> , Assignor

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_____	(sign name here)	_____	_____
Date	(print name here)	Talmal Brandao DE OLIVEIRA	, Assignor
12/18/2015	JIANFENG WANG	<i>Jianfeng Wang</i>	
_____	(print name here)	Jianfeng WANG	, Assignor
_____	(print name here)	Dave Alberto Tavares CAVALCANTI	, Assignor

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_____	(sign name here)	_____	_____
Date	(print name here)	Talmi BrandAo DE OLIVEIRA	, Assignor
_____	(print name here)	_____	_____
Date	(print name here)	Jianfeng WANG	, Assignor
06/06/2014	(print name here)	_____	_____
Date	(print name here)	Dave Alberto Tavares CAVALCANTI	, Assignor