## 503620483 12/21/2015

# 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

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	2012P01440WOUS
NAME OF SUBMITTER:	DANIEL J. PIOTROWSKI
SIGNATURE:	/Daniel J. Piotrowski/
DATE SIGNED:	12/21/2015

### **Total Attachments: 3**

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PATENT 503620483 REEL: 037337 FRAME: 0548

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, nonprovisionals 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. Xalmai BrandAo , Assignor Jianfeng WANG Date (print name here) , Assignor

Page 1 of 1

(print name here)

Dave Alberto Tavares CAVALCANTI

Date

, Assignor

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

a place of business at H	igh Tech Campus 5,5656 A	tht, title, and interest in the following to Kon E, Eindhoven, the Netherlands, its successor ly "the Assignee") my/our invention for wh	rs, assigns, and legal
is executed concurre	.*		
	/us on		
		ng a Serial Nonal Application No. PCT/IB2014/062005,	itivati
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		from including, but not limited to, any and a	The state of the s
		i-in-part, re-examinations, reissues, and exter	
applications.	ng the entire and exclusive	right, title, and interest in and to any and all	patents granted on these
A. h. room nam.			
I/We authorize and requ	est that the Patent Office of	fficials in the United States and in any and a	Il foreign countries to issue
		he Assignee(s), for its sole use, and that of it	
legal representatives.			•
I/We will provide my/o	or cooneration to enable the	: Assignce to enjoy the foregoing right, title,	and interest to the follow
		e, I/we agree to execute all papers, take all r	
		ons and infringement actions, and do all othe	
		I maintaining patents on the foregoing inven	
thereto in the Assignee.			**************************************
I/We certify that I/we ha	eve the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Talmai BrandAo DE OLIVEIRA	, Assignor
12/18/2015	I HAMFENG WANG	Jigty Nog	
Date	(print name here)	Jipinieng WANG	, Assignor
Date	(print name here)	Dave Alberto Tavares CAVALCANTI	, Assignor

Page 1 of 1

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a place of business at Hi	gh Tech Campus 5,5656	ght, title, and interest in the following to Konn AE, Eindhoven, the Netherlands, its successors ely "the Assignee") my/our invention for which	, assigns, and legal
was filed on	us on, hav	ving a Serial Noonal Application No. PCT/IB2014/062005,	··-â:
therewith, based thereon provisionals divisions, c	, or claiming priority there ontinuations, continuations,	ner United States, foreign and international pate efrom including, but not limited to, any and all as-in-part, re-examinations, reissues, and extens tright, title, and interest in and to any and all p	provisionals, non- sions thereof, and the right to
		officials in the United States and in any and all the Assignee(s), for its sole use, and that of its	
extent. Upon request at legal proceedings includ necessary, desirable, or thereto in the Assignee.	the expense of the Assign	ne Assignee to enjoy the foregoing right, title, and the see, I/we agree to execute all papers, take all right in the sand infringement actions, and do all other and maintaining patents on the foregoing inventing the above rights.	ghtful oaths, testify in all such acts which may be
	(sign nama bara)		
Date	(sign name here) (print name here)	Talmai BrandAo DE OLIVEIRA	, Assignor
Date	(print name here)	Jianfeng WANG	«Assignor
Date	(print name here)	Dave Alberto Tavares CAVALCANTI	, Assignor

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PATENT REEL: 037337 FRAME: 0551