# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JIANFENG WANG	09/11/2014
DAVE ALBERTO TAVARES CAVALCANTI	09/26/2013
KIRAN SRINIVAS CHALLAPALI	09/26/2013

### **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:	14354386

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	2011P01000WOUS
NAME OF SUBMITTER:	DANIEL J. PIOTROWSKI
SIGNATURE:	/Daniel J. Piotrowski/
DATE SIGNED:	09/15/2014

## **Total Attachments: 3**

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PATENT 502976040 REEL: 033740 FRAME: 0488

# ASSIGNMENT

and assign, and transfer t	he entire and exclusive rig sh Tech Campus 5,5656 A	e acknowledge receipt, I/we as a below-named that, title, and interest in the following to Konin E, Eindhoven, the Netherlands, its successors ly "the Assignee") my/our invention for which	ıklijke Philips N.V., havıng , assigns, and legal
was filed on	us on	ing a Serial No anal Application No. PCT/1B2012/056022,	riis.
therewith, based thereon	, or claiming priority there ontinuations	er United States, foreign and international pate from including, but not limited to, any and also s-in-part, re-examinations, reissues, and exten right, title, and interest in and to any and all p	l provisionals, non- sions thereof, and the right to
I/We authorize and requancy and all Letters Pater legal representatives.	est that the Patent Office of it when granted, solely to t	officials in the United States and in any and althe Assignee(s), for its sole use, and that of its	I foreign countries to issue s successors, assigns, and
extent. Upon request at	the expense of the Assign- ling patent prosecution act	e Assignee to enjoy the foregoing right, title, ec, I/we agree to execute all papers, take all ritions and infringement actions, and do all other adminishing patents on the foregoing invent	ghtful oaths, testily in all r such acts which may be
I/We certify that I/we h	ave the full right to convey	the above rights.	
89/11/2014	(sign name here)	Jint Way	
Date	(print name here)	Jianfeng WANG	, Assignor
Date	(print name here)	Dave Alberto Tavares CAVALCANTI	, Assignor
Date	(print name here)	Hongqiang ZHAI	, Assignor

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(print name here)

Date

Kiran Srinivas CHALLAPALI

, Assignor

#### ASSIGNMENT

#### Docket No. 2011P01000WOUS

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.
$\boxtimes$	was filed on, 30 Oct 2012, having an International Application No. PCT/IB2012/056022,

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.

	(sign name here)		
Date 09/26 /20/3	(print name here)	Jianfeng WANG	, Assignor
Date	(print name here)	Dave Alberto Tavares CAVALCANTI	, Assignor
Date	(print name here)	Hongqiang ZHAI	, Assignor
Date	(print name here)	Kiran Srinivas CHALLAPALI	, Assignor

Page 1 of 1

For good and value	able consideration, of which I/	we acknowledge receipt, I/we as a below-name	ed Assignor(s), hereby seil,
and assign, and tra	insfer the entire and exclusive i	right, title, and interest in the following to Kon	inklijke Philips N.V., baving
a place of business	s at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its successor	rs, assigns, and legal
representatives, in	cluding any nominees (collecti	vely "the Assignee") my/our invention for whi	ich an application:
This executed con	acurrently herewith		
******	y me/us on		
		iving a Serial No.	· (0 1 K)
		ional Application No. PCT/IB2012/056022,	
and all rights in an	d to said application, and all o	ther United States, foreign and international pa	tent applications associated
		refrom including, but not limited to, any and a	
provisionals divisi	ons, continuations, continuatio	ns-in-part, re-examinations, reissues, and exter	usions thereof, and the right to
claim priority there	eto, and the entire and exclusiv	e right, title, and interest in and to any and all	patents granted on these
applications.			
I/We authorize and	I request that the Patent Office	officials in the United States and in any and al	l foreign countries to issue
any and all Letters	Patent when granted, solely to	the Assignee(s), for its sole use, and that of its	s successors, assigns, and
legal representative	es.		
I/We will provide :	my/our cooperation to enable t	he Assignee to enjoy the foregoing right, title,	and interest to the fullest
		nee, I/we agree to execute all papers, take all ri	
		tions and infringement actions, and do all other	•
necessary, desirabl	le, or convenient for securing a	nd maintaining patents on the foregoing inven	tion or for perfecting title
thereto in the Assig	gnee.		
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ii we cemy macu	we have the rait right to centre	y me apove rigins.	
	(sign name here)		
Date	(print name here)	Jianfeng WANG	, Assignor
Date	(print name here)	Bave Alberto Tavares CAVALCANTI	, Assignor
Date ,	(print name here)	Hongqiang ZHAI	, Assignor
9/26/201	3	/ WK wax	
Date /	(print name here)	Kirsi Sripivas CHALLAPALI	, Assignor

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**RECORDED: 09/15/2014** 

**PATENT REEL: 033740 FRAME: 0491**  ξO