#### 503917034 07/15/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
ERIC BERTRAND SHEN	11/06/2014
SAEED REZA BAGHERI	05/05/2016
SIRISHA RANGAVAJHALA	11/06/2014
ERMIN WEI	07/05/2016

## **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:	15024013

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ATTORNEY DOCKET NUMBER:	2013P00641WOUS
NAME OF SUBMITTER:	DANIEL J. PIOTROWSKI
SIGNATURE:	/DANIEL J. PIOTROWSKI/
DATE SIGNED:	07/15/2016

# **Total Attachments: 5**

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> **PATENT** REEL: 039165 FRAME: 0524 503917034

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> PATENT REEL: 039165 FRAME: 0525

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 r	ight, title, and interest in the following t	o Koninklijke Philips N.V., having
a place of business at H	igh Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its suc	cessors, assigns, and legal
representatives, încludir	ng any nominees (collecti	vely "the Assignee") my/our invention f	or which an application:
is executed concurre	ently herewith		
was executed by me	/us on		
was filed on	, ha	ving a Serial No	***********
🛚 was filed on. 23 Sep	2014, having an Internat	ional Application No. PCT/IB2014/064	758,
and all rights in and to	said application, and all ot	her United States, foreign and internation	onal patent applications associated
therewith, based thereo	n, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
provisionals divisions,	continuations, continuatio	ns-in-part, re-examinations, reissues, an	d extensions thereof, and the right to
claim priority thereto, a applications.	nd the entire and exclusiv	e right, title, and interest in and to any a	nd all patents granted on these
I/We authorize and requ	uest that the Patent Office	officials in the United States and in any	and all foreign countries to issue
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extent. Upon request a legal proceedings inclu	t the expense of the Assig ding patent prosecution ac convenient for securing a	he Assignee to enjoy the foregoing right nee, I/we agree to execute all papers, tak stions and infringement actions, and do a and maintaining patents on the foregoing	te all rightful oaths, testify in all all other such acts which may be
I/We certify that I/we h	ave the full right to conve	y the above rights.	
November 6 2014	(sign name here)	En Bertrand Stales Eric Bertrand SHEN	
November 6, 2014 Date	(print name here)	Eric Bertrand SHEN	, Assignor
Date	(print name here)	Saced Reza BAGHERI	, Assignor
Date	(print name here)	Sirisha RANGAVAJHALA	, Assignor
Date	(print name here)	Ermin WEI	, Assignor

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TongissA,	Saeed Reza BAGHERI	(print name here)	3100 °C 8411
norgissA ,	Eric Bertrand SHEN	(print name here)	Date
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Sirisha RANGAVAJHALA

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Date

and assign, and tra	nsfer the entire and exclusive r	we acknowledge receipt, I/we as a below- ight, title, and interest in the following to AE, Eindhoven, the Netherlands, its succ	Koninklijke Philips N.V., having
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is executed con	currently herewith		
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		ving a Serial No	we.ve.
		ional Application No. PCT/IB2014/0647	
and all rights in an	i to said application, and all ot	her United States, foreign and internation	nal patent applications associated
therewith, based th	ereon, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
provisionals divisio	ons, continuations, continuatio	ns-in-part, re-examinations, reissues, and	extensions thereof, and the right to
claim priority there	to, and the entire and exclusiv	e right, title, and interest in and to any an	id all patents granted on these
applications.			
I/We authorize and	request that the Patent Office	officials in the United States and in any a	and all foreign countries to issue
any and all Letters	Patent when granted, solely to	the Assignee(s), for its sole use, and that	t of its successors, assigns, and
legal representative	25.		
extent. Upon requi legal proceedings i	est at the expense of the Assign neluding patent prosecution ac e, or convenient for securing a	he Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take tions and infringement actions, and do al nd maintaining patents on the foregoing	all rightful oaths, testify in all to ther such acts which may be
I/We certify that I/	we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Eric Bertrand SHEN	, Assignor
Date	(print name here)	Saced Reza BAGHERI	, Assignor
	Pinisha	, ř	
11/6/14	Linke Range Voytrale (print name here)	linghat	
Date Date	(print name have)	Sirisha RANGAVAJHALA	, Assignor

Ermin WEI

(print name here)

, Assignor

# **ASSIGNMENT**

Date

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. 23 Sep 2014, having an International Application No. PCT/IB2014/064758,
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)

**Eric Bertrand SHEN** 

(print name here)

, Assignor

Date	(print name here)	Saeed Reza BAGHERI	, Assignor
Date	(print name here)	Sirisha RANGAVAJHALA	, Assignor
July 5, 2016 Date	Ermin Wei (print name here)	Ermin Wei Ermin WEI	, Assignor

Page 1 of 1