PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BALASUNDAR IYYAVU RAJU	03/18/2014
AJAY ANAND	08/19/2014
JOHN PETRUZZELLO	03/18/2014

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:	14770287

CORRESPONDENCE DATA

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Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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ATTORNEY DOCKET NUMBER:	2012P00974WOUS
NAME OF SUBMITTER:	TODD A. HOLMBO
SIGNATURE:	/Todd A. Holmbo/
DATE SIGNED:	08/25/2015

Total Attachments: 3

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PATENT 503451222 REEL: 036415 FRAME: 0450

For good and valuable cor	nsideration, of which I/v	ve acknowledge receipt, I/we as a below	-named Assignor(s), hereby sell,
and assign, and transfer th	ne entire and exclusive ri	ght, title, and interest in the following to	o Koninklijke Philips N.V., having
a place of business at Hig	h Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its suc	cessors, assigns, and legal
representatives, including	any nominees (collectiv	rely "the Assignee") my/our invention f	or which an application:
is executed concurrent	tly herewith		
was executed by me'u	s on		
was filed on	, ha	ving a Serial No	
was filed on. 26 Feb 2	014, having an Internati	onal Application No. PCT/IB2014/059	249,
and all rights in and to sai	id application, and all of	her United States, foreign and internatio	nal patent applications associated
therewith, based thereon,	or claiming priority thei	refrom including, but not limited to, any	and all provisionals, non-
provisionals divisions, co	ntinuations, continuation	ns-in-part, re-examinations, reissues, and	d extensions thereof, and the right to
claim priority thereto, and	d the entire and exclusive	e right, title, and interest in and to any a	nd all patents granted on these
applications.			
I/We authorize and reque	st 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 the	at of its successors, assigns, and
legal representatives.			
I/We will provide my/our	cooperation to enable t	ne Assignee to enjoy the foregoing right	, title, and interest to the fullest
extent. Upon request at t	he expense of the Assign	nee, I/we agree to execute all papers, tak	te all rightful oaths, testify in all
legal proceedings includi	ng patent prosecution ac	tions and infringement actions, and do a	ill other such acts which may be
necessary, desirable, or co	onvenient for securing a	nd maintaining patents on the foregoing	invention or for perfecting title
thereto in the Assignee.			
I/We certify that I/we have	ve the full right to conve	y the above rights.	
March 18, 2014	(sign name here)	T.M.	W.,
Date	(print name here)	Balasundar Iyyavu RAJU	, Assignor
Date	(print name here)	Ajay ANAND	, Assignor
Date	(print name here)	John PETRUZZELLO	Assignor

Page 1 of 1

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 a place of business at High Tech Campus 5,5656 AE	it, title, and interest in the following	g to Koninklijke Philips N.V., having
representatives, including any nominees (collectively		
☐ is executed concurrently herewith ☐ was executed by me/us on, havin ☐ was filed on, having an Internation	g a Serial No	
and all rights in and to said application, and all other therewith, based thereon, or claiming priority therefor provisionals divisions, continuations, continuations- claim priority thereto, and the entire and exclusive ri applications.	rom including, but not limited to, a in-part, re-examinations, reissues,	ny and all provisionals, non- and extensions thereof, and the right to
I/We authorize and request that the Patent Office off any and all Letters Patent when granted, solely to the legal representatives.		· · · · · · · · · · · · · · · · · · ·
I/We will provide my/our cooperation to enable the extent. Upon request at the expense of the Assignee legal proceedings including patent prosecution actio necessary, desirable, or convenient for securing and thereto in the Assignee. I/We certify that I/we have the full right to convey the	, I/we agree to execute all papers, t ns and infringement actions, and do maintaining patents on the foregoi	ake all rightful oaths, testify in all oaths all other such acts which may be
(sign name here) Date (print name here) OR 19 14 Date (print hame here) AND	Balasundar lyyavu RAJI	, Assignor , Assignor
Date (print name here)	John PETRUZZELLO	, Assignor

Page 1 of 1

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

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		ight, title, and interest in the following	
		AE, Eindhoven, the Netherlands, its suc	
representatives, in	icluding any nominees (collecti-	vely "the Assignee") my/our invention i	for which an application:
is executed co	ncurrently herewith		
12222	by me/us on	***************************************	
		ving a Serial No	***********
was filed on. 2	6 Feb 2014, having an Internat	ional Application No. PCT/IB2014/059)249,
and all rights in a	nd to said application, and all ot	her United States, foreign and internation	onal patent applications associated
therewith, based t	hereon, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
		ns-in-part, re-examinations, reissues, an	
	reto, and the entire and exclusiv	e right, title, and interest in and to any a	and all patents granted on these
applications.			
I/We authorize an	d request that the Patent Office	officials in the United States and in any	and all foreign countries to issue
		the Assignee(s), for its sole use, and th	·
legal representativ	/es.		·
VWe will provide	my/our conservation to enable t	he Assignee to enjoy the foregoing righ	t title and interact to the follow
		nce, I/we agree to execute all papers, take	
		tions and infringement actions, and do	•
		nd maintaining patents on the foregoing	,
thereto in the Assi		See A See See	
I/We certify that I	/we have the full right to conve	v the above rights.	
٠	C	*	
	(sign name here)		
	(print name here)	Balasundar Iyyavu RAJU	, Assignor
	(processarios seaso)	and the second s	, roongran
Date	(print name here)	Ajay ANANI)	
a de de de	Corne mens morey	and	(expargine)
March 18, 201	4	Jan Valley	
Date	(print name here)	John PETRUZZELLO	, Assignor

Page 1 of 1

RECORDED: 08/25/2015