503906196 07/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3952847

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEKSANDRA POPOVIC	03/12/2015
MOLLY LARA FLEXMAN	07/01/2016
CHRISTOPHER STEPHEN HALL	01/21/2015
BHARAT RAMACHANDRAN	01/05/2015

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:	15110421	

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 914-495-9516

Email: babbette.freeman@philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

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Address Line 2: SUITE 340

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2012P02023WOUS
NAME OF SUBMITTER:	FRANK J. KEEGAN
SIGNATURE:	/Frank J. Keegan/
DATE SIGNED:	07/08/2016

Total Attachments: 4

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PATENT 503906196 REEL: 039105 FRAME: 0905

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PATENT REEL: 039105 FRAME: 0906

and assign, and tra a place of business	nsfer the entire and exclusive r at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below- ight, title, and interest in the following to AE, Eindhoven, the Netherlands, its succ vely "the Assignee") my/our invention fo	Koninklijke Philips N.V., having cessors, assigns, and legal
representatives, in	anding any nonunees (concen-	very the Assignee) thy/our invention to	п winch an арұнсаноп.
is executed con	currently herewith		
was executed by	y me/us on		
was filed on	, ha	ving a Serial No.	
was filed on. 04	I Jan 2015, having an Internat	ional Application No. PCT/IB2015/0500	351,
therewith, based th provisionals division	ereon, or claiming priority the	her United States, foreign and internation refrom including, but not limited to, any ans-in-part, re-examinations, reissues, and e right, title, and interest in and to any an	and all provisionals, non- extensions thereof, and the right to
	Patent when granted, solely to	officials in the United States and in any a the Assignee(s), for its sole use, and that	-
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 all adminishing patents on the foregoing it	all rightful oaths, testify in all l other 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)	Christopher Stephen HALL	, Assignor
Date	(print name here)	Bharat RAMACHANDRAN	, Assignor
Date 3/13/2019	(print name here)	Molly Lara FLEXMAN	, Assignor
Date	(print name here)	Aleksandra POPOVIC	, 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,

ransfer the entire and exclusive r	ight, title, and interest in the following to	Koninklijke Philips N.V., having
ss at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its succ	essors, assigns, and legal
ncluding any nominees (collecti-	vely "the Assignee") my/our invention fo	r which an application:
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by me/us on		
, ha	ving a Serial No	***********
04 Jan 2015, having an Internati	ional Application No. PCT/IB2015/0500	51,
nd to said application, and all of	her United States, foreign and internation	nal patent applications associated
thereon, or claiming priority the	refrom including, but not limited to, any a	and all provisionals, non-
sions, continuations, continuation	ns-in-part, re-examinations, reissues, and	extensions thereof, and the right t
reto, and the entire and exclusiv	e right, title, and interest in and to any an	d all patents granted on these
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uest at the expense of the Assign including patent prosecution ac	nee, I/we agree to execute all papers, take tions and infringement actions, and do al	all rightful oaths, testify in all lother such acts which may be
I/we have the full right to conve	y the above rights.	
(sien name here)		
(print name here)	Christopher Stephen HALL	, Assignor
(print name here)	Bharaí RAMACHANDRAN	, Assignor
	Maga 400-2	
(print name here)	Molly Large LEXMAN	, Assignor
(print name here)	Aleksandra POPOVIC	, Assignor
	is at High Tech Campus 5,5656 actuding any nominees (collection currently herewith by me/us on	hy me/us on

Page 1 of 1

to

and assign, and tra	nsfer the entire and exclusive r at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-right, title, and interest in the following to AE, Eindhoven, the Netherlands, its succeively "the Assignee") my/our invention for	Koninklijke Philips N.V., having ssors, assigns, and legal
was filed on	y me/us on, ha	ving a Serial No	
therewith, based th	ereon, or claiming priority the	her United States, foreign and international refrom including, but not limited to, any assistant re-examinations, reissues, and earlight, title, and interest in and to any and	nd all provisionals, non- extensions thereof, and the right to
	Patent when granted, solely to	officials in the United States and in any arthe Assignee(s), for its sole use, and that	-
extent. Upon required legal proceedings is	est at the expense of the Assign neluding patent prosecution ac e, or convenient for securing a	the Assignee to enjoy the foregoing right, to nee, I/we agree to execute all papers, take tions and infringement actions, and do all and maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/	we have the full right to conve	y the above rights.	
2015-01-21	(sign name here)	04 11.4	
Date	(print name here)	Christopher Stephen HALL	, Assignor
Date	(print name here)	Bharat RAMACHANDRAN	, Assignor
Date	(print name here)	Molly Lara FLEXMAN	, Assignor
Date	(print name here)	Aleksandra POPOVIC	, Assignor

Page 1 of 1

U.S.A. Sole/Joint

ASSIGNMENT

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

and assign, and transi	fer the entire and exclusive r	ight, 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 succ	cessors, assigns, and legal
representatives, inclu	ding any nominees (collecti	vely "the Assignee") my/our invention fo	or which an application:
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		ving a Serial No	
		ional Application No. PCT/IB2015/0500	
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and all rights in and t	o said application, and all ot	her United States, foreign and internation	nal patent applications associated
therewith, based there	eon, or claiming priority the	refrom including, but not limited to, any	and all provisionals, non-
provisionals divisions	s, continuations, continuatio	ns-in-part, re-examinations, reissues, and	l extensions thereof, and the right to
claim priority thereto	, and the entire and exclusiv	e right, title, and interest in and to any ar	ıd all patents granted on these
applications.			
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	-	officials in the United States and in any	-
*	itent when granted, solely to	the Assignee(s), for its sole use, and tha	t of its successors, assigns, and
legal representatives.			
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	
-		tions and infringement actions, and do a	
		nd maintaining patents on the foregoing	
thereto in the Assigne	ee.		
I/We certify that I/we	have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Christopher Stephen HALL	, Assignor
1/5/2015	(firming manual)	pharatk.	, a mangar or
Date	(print name here)	Bharat RAMACHANDRAN	, Assignor
Date	(print name here)	Molly Lara FLEXMAN	, Assignor
Date	(print name here)	Aleksandra POPOVIC	, Assignor

Page 1 of 1

PATENT REEL: 039105 FRAME: 0910