# 503859183 06/07/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3905832

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SHYAM BHARAT	12/15/2014
EHSAN DEHGHAN MARVAST	02/20/2015
AMIR MOHAMMAD TAHMASEBI MARAGHOOSH	12/10/2014
AMEET KUMAR JAIN	02/20/2015
FRANCOIS GUY GERARD MARIE VIGNON	06/06/2016

### **RECEIVING PARTY DATA**

Name:	KONINKLIJKE PHILIPS N.V.	
Street Address:	HIGH TECH CAMPUS 5	
City:	EINDHOVEN	
State/Country:	NETHERLANDS	
Postal Code:	12/08/2014	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15102333

## **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

Address Line 1: 465 COLUMBUS AVENUE

Address Line 2: SUITE 340

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2013P01647WOUS
NAME OF SUBMITTER:	FRANK J. KEEGAN
SIGNATURE:	/Frank J. Keegan/
DATE SIGNED:	06/07/2016
	·

**Total Attachments: 5** 

PATENT REEL: 038829 FRAME: 0400

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> PATENT REEL: 038829 FRAME: 0401

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

		right, title, and interest in the following to Kor AE, Eindhoven, the Netherlands, its successo	1-
		vely "the Assignee") my/our invention for wh	
is executed concur	rently herewith		
was executed by m	e/us on	***************************************	
was filed on	, ha	ving a Serial No	vo.vo.
was filed on. 05 De	🗴 2014, having an Internat	ional Application No. PCT/IB2014/066616,	
and all rights in and to	said application, and all of	ther United States, foreign and international pa	atent applications associated
therewith, based there	on, or claiming priority the	refrom including, but not limited to, any and a	ıll provisionals, non-
provisionals divisions,	continuations, continuatio	ns-in-part, re-examinations, reissues, and exte	nsions thereof, and the right to
	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 rec	uest that the Patent Office	officials in the United States and in any and a	Il foreign countries to issue
any and all Letters Pat	ent when granted, solely to	the Assignee(s), for its sole use, and that of it	s 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
extent. Upon request a	at the expense of the Assign	nee, I/we agree to execute all papers, take all r	ightful oaths, testify in all
legal proceedings inclu	iding patent prosecution ac	tions and infringement actions, and do all other	er such acts which may be
necessary, desirable, o	r convenient for securing a	nd maintaining patents on the foregoing inven	tion or for perfecting title
thereto in the Assignee	<b>).</b>		
I/We certify that I/we I	nave the full right to conve	y the above rights.	
12/15/2014	(sign name here)	Shyan 2	
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor
Date	(print name here)	Amir Mohammad TAHMASEBI	, Assignor
		MARAGHOOSH	
Date	(print name here)	Francois Guy Gerard Marie VIGNON	, Assignor

Page 1 of 1

## U.S.A. Sole/Joint

Date

## **ASSIGNMENT**

and assign, and transfer a place of business at Hi	the entire and exclusive r gh Tech Campus 5,5656	we acknowledge receipt, I/we as a below-naright, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its success wely "the Assignee") my/our invention for w	oninklijke Philips N.V., having ors, assigns, and legal
was filed on	us on, ha	ving a Serial No	
therewith, based thereon provisionals divisions, co	, or claiming priority then ontinuations, continuation	her United States, foreign and international prefrom including, but not limited to, any and ins-in-part, re-examinations, reissues, and exteright, title, and interest in and to any and all	all provisionals, non- tensions thereof, and the right to
-		officials in the United States and in any and the Assignee(s), for its sole use, and that of	<del>-</del>
extent. Upon request at legal proceedings includ	the expense of the Assigning patent prosecution ac	he Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all tions and infringement actions, and do all of and maintaining patents on the foregoing inve	rightful oaths, testify in all her such acts which may be
I/We certify that I/we ha	we the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
2/20/2015	Ameet Jain		
Date	(print name here)	Ameet Kumar JAIN	, Assignor
Date	(nrint name here)	Amir Mohammad TAHMASEBI	Assignor

MARAGHOOSH

(print name here)

Francois Guy Gerard Marie VIGNON

, Assignor

For good and valu	able consideration, of which I/v	ve acknowledge receipt, I/we as a below-nam	ed Assignor(s), hereby sell,
and assign, and tra	ansfer the entire and exclusive r	ight, title, and interest in the following to Kon	inklijke Philips N.V., having
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 (collective	vely "the Assignee") my/our invention for wh	ich an application:
is executed con	ncurrently herewith		
was executed b	oy me/us on		
was filed on	, ha	ving a Serial No	******
was filed on. 0	5 Dec 2014, having an Internati	onal Application No. PCT/IB2014/066616,	
and all rights in ar	nd to said application, and all ot	her United States, foreign and international pa	tent applications associated
therewith, based th	hereon, or claiming priority ther	efrom including, but not limited to, any and a	ll provisionals, non-
provisionals divisi	ions, continuations, continuation	ns-in-part, re-examinations, reissues, and exte	nsions thereof, and the right to
claim priority ther	eto, and the entire and exclusive	e right, title, and interest in and to any and all	patents granted on these
applications.			
I/We authorize and	d request that the Patent Office	officials in the United States and in any and a	Il foreign countries to issue
any and all Letters	Patent when granted, solely to	the Assignee(s), for its sole use, and that of it	s successors, assigns, and
legal representativ	res.		
		ne Assignee to enjoy the foregoing right, title, nee, I/we agree to execute all papers, take all r	
	-	tions and infringement actions, and do all other	
- N		nd maintaining patents on the foregoing inven	
thereto in the Assi	·-		
I/We certify that I	/we have the full right to conve	y the above rights.	
	(sign name here)		
Data	(print name here)	Shyam BHARAT	A con com com
Date	(bunt name nere)	SHYSHI DIRAKA I	, Assignor
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor
Dec 10,20	14	Can	
Date	(print name here)	Amir Mohammad TAHMASEBI	, Assignor
		MARAGHOOSH	
Date	(print name here)	Francois Guy Gerard Marie VIGNON	, Assignor

Page 1 of 1

to

## U.S.A. Sole/Joint

Date

Date

Date

## ASSIGNMENT

Date	(sign name here) (print name here)	Shyam BHARAT	, Assignor
I/We certify that I/v	re have the full right to conve	y the above rights.	
extent. Upon reque legal proceedings in	st at the expense of the Assign cluding patent prosecution ac , or convenient for securing a	he Assignee to enjoy the foregoing right, to nee, I/we agree to execute all papers, take a tions and infringement actions, and do all nd maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
	Patent when granted, solely to	officials in the United States and in any ar the Assignee(s), for its sole use, and that of	<del></del>
therewith, based the provisionals divisio	reon, or claiming priority then	her United States, foreign and internationa refrom including, but not limited to, any an ns-in-part, re-examinations, reissues, and e e right, title, and interest in and to any and	nd all provisionals, non- extensions thereof, and the right t
was executed by was filed on		ving a Serial Noional Application No. PCT/IB2014/06661	
and assign, and tran	sfer the entire and exclusive r at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-night, title, and interest in the following to label, Eindhoven, the Netherlands, its succeively "the Assignee") my/our invention for	Koninklijke Philips N.V., having ssors, assigns, and legal

Page 1 of 1

Ameet Kumar JAIN

MARAGHOOSH

Amir Mohammad TAHMASEBI

Francois Guy Gerard Marie VIGNON

(print name here)

(print name here)

(print name here)

**PATENT REEL: 038829 FRAME: 0405** 

, Assignor

, Assignor

, Assignor

and assign, and transfer that a place of business at Hig	he entire and exclusive righ th Tech Campus 5,5656 AI	acknowledge receipt, I/we as a below-named on, title, and interest in the following to Konin E, Eindhoven, the Netherlands, its successors y "the Assignee") my/our invention for which	aklijke Philips N.V., having , assigns, and legal
was filed on	ss on, havir	ng a Serial No	
therewith, based thereon, provisionals divisions, co	or claiming priority therefinitions, continuations,	r United States, foreign and international pate from including, but not limited to, any and all in-part, re-examinations, reissues, and extens ight, title, and interest in and to any and all pa	provisionals, non- sions thereof, and the right to
-		ficials in the United States and in any and all e Assignee(s), for its sole use, and that of its	Č
extent. Upon request at the legal proceedings including necessary, desirable, or on the thereto in the Assignee.	the expense of the Assigneeing patent prosecution action onvenient for securing and	Assignee to enjoy the foregoing right, title, a place to execute all papers, take all right ins and infringement actions, and do all other maintaining patents on the foregoing inventions.	htful oaths, testify in all such acts which may be
I/We certify that I/we hav	e the full right to convey the	he above rights.	
	(sign name here)		
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor

Page 1 of 1

MARAGHOOSH

Amir Mohammad TAHMASEBI

Francois Guy Gerard Marie VIGNON

(print name here)

(print name here)

PATENT REEL: 038829 FRAME: 0406

, Assignor

, Assignor

**RECORDED: 06/07/2016** 

Date

Date