## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3908218

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DIRK BINNEKAMP	06/08/2016
AMIR MOHAMMAD TAHMASEBI MARAGHOOSH	01/28/2015
SHYAM BHARAT	01/28/2015
AMEET KUMAR JAIN	06/08/2016
FRANCOIS GUY GERARD MARIE VIGNON	03/29/2015
EHSAN DEHGHAN MARVAST	01/28/2015

#### **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:	15102671	

### **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:	2013P01788WOUS
NAME OF SUBMITTER:	FRANK J. KEEGAN
SIGNATURE:	/Frank J. Keegan/
DATE SIGNED:	06/08/2016

PATENT 503861569 REEL: 038843 FRAME: 0305

# **Total Attachments: 6** source=2013P01788WOUS\_ASSIGNMENT#page1.tif

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**PATENT** REEL: 038843 FRAME: 0306

		we acknowledge receipt, I/we as a below-name	
		ight, title, and interest in the following to Kon	
		AE, Eindhoven, the Netherlands, its successor	
representatives, in	icluding any nominees (collectiv	vely "the Assignee") my/our invention for wh	ich an application:
is executed co	ncurrently herewith		
	by me/us on		
		ving a Serial No	
		ional Application No. PCT/EP2014/077854,	••••
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		her United States, foreign and international pa	
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аррисанова.			
I/We authorize an	d request that the Patent Office	officials in the United States and in any and a	ll foreign countries to issue
		the Assignee(s), for its sole use, and that of it	-
legal representativ			, 2 ,
I/We will provide	my/our cooperation to enable the	he Assignee to enjoy the foregoing right, title,	and interest to the fullest
extent. Upon requ	uest at the expense of the Assign	nee, I/we agree to execute all papers, take all r	ightful oaths, testify in all
legal proceedings	including patent prosecution ac	tions and infringement actions, and do all other	er such acts which may be
necessary, desirab	le, or convenient for securing a	nd maintaining patents on the foregoing inven	tion or for perfecting title
thereto in the Ass	ignee.		
I/We certify that I	/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
	u ,		, 0
Date	(print name here)	Francois Guy Gerard Marie VIGNON	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Amir Mohammad TAHMASEBI	, Assignor

MARAGHOOSH

Dirk BINNEKAMP

(print name here)

Date

PATENT REEL: 038843 FRAME: 0307

For good and value	uable consideration, of which I/	we acknowledge receipt, I/we as a below-name	ed Assignor(s), hereby sell,
and assign, and tr	ansfer the entire and exclusive r	right, title, and interest in the following to Kon	inklijke Philips N.V., having
a place of busines	is at High Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its successor	s, assigns, and legal
representatives, in	ncluding any nominees (collecti	vely "the Assignee") my/our invention for whi	ch an application:
is executed co	ncurrently herewith		
	by me/us on	**************************************	
		ving a Serial No	,,,,,,,,
		ional Application No. PCT/EP2014/077854,	
and all rights in a	nd to said application, and all of	her United States, foreign and international pa	tent applications associated
therewith, based t	hereon, or claiming priority the	refrom including, but not limited to, any and a	Il provisionals, non-
		ns-in-part, re-examinations, reissues, and exter	
		e right, title, and interest in and to any and all	
applications.			
legal representativ  I/We will provide  extent. Upon requ	ves.  my/our cooperation to enable to uest at the expense of the Assign	the Assignee(s), for its sole use, and that of its  the Assignee to enjoy the foregoing right, title,  nee, I/we agree to execute all papers, take all re	and interest to the fullest
		tions and infringement actions, and do all othe	
		nd maintaining patents on the foregoing inven	tion or for perfecting title
thereto in the Assi	ignee.		
I/We certify that I	/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Ebsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	Francois Guy Gerard Marie VIGNON	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor
Date	(print name here)	Shyam BHARAT	, Assignor

**MARAGHOOSH** 

Dirk BINNEKAMP

(print name here)

(print name here)

Date

, Assignor

		we acknowledge receipt, I/we as a below-nam	
		right, title, and interest in the following to Kor	•
		AE, Eindhoven, the Netherlands, its successo vely "the Assignee") my/our invention for wh	
<b>,</b>		, a	and me provided
is executed of	concurrently herewith		
was executed	d by me/us on	***************************************	
was filed on.	, ha	aving a Serial No	******
was filed on.	. 16 Dec 2014, having an Internat	tional Application No. PCT/EP2014/077854,	
and all rights in	and to said application, and all of	ther United States, foreign and international pa	atent applications associated
therewith, based	l thereon, or claiming priority the	refrom including, but not limited to, any and a	Il provisionals, non-
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applications.			
I/We authorize a	and request that the Patent Office	officials in the United States and in any and a	Il foreign countries to issue
any and all Lette	ers Patent when granted, solely to	the Assignee(s), for its sole use, and that of it	s successors, assigns, and
legal representat			·
extent. Upon re legal proceeding	quest at the expense of the Assign as including patent prosecution ac able, or convenient for securing a	he Assignee to enjoy the foregoing right, title, nee, I/we agree to execute all papers, take all rations and infringement actions, and do all other and maintaining patents on the foregoing inventions.	ightful oaths, testify in all er such acts which may be
I/We certify that	t I/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Ehsan DEHGHAN MARVAST	. Assignor
Date	(print name here)	Francois Guy Gerard Marie VIGNON	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor
128/2015	Š	/hy == 2	
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Amir Mohammad TAHMASEBI	, Assignor
		MARAGHOOSH	

Dirk BINNEKAMP

(print name here)

Date

and assign, and transfer a place of business at l	er the entire and exclusive ri High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-naminght, title, and interest in the following to KoraE, Eindhoven, the Netherlands, its successorely "the Assignee") my/our invention for wh	inklijke Philips N.V., having rs, assigns, and legal
was filed on	e/us on, hav	ving a Serial Noonal Application No. PCT/EP2014/077854,	
therewith, based there- provisionals divisions,	on, or claiming priority ther continuations, continuation	ner United States, foreign and international paterior including, but not limited to, any and a as-in-part, re-examinations, reissues, and exter right, title, and interest in and to any and all	ll provisionals, non- nsions thereof, and the right to
	-	officials in the United States and in any and a the Assignee(s), for its sole use, and that of it	•
extent. Upon request a legal proceedings inclu-	at the expense of the Assign ading patent prosecution act r convenient for securing an	the Assignee to enjoy the foregoing right, title, ee, I/we agree to execute all papers, take all rations and infringement actions, and do all other administration patents on the foregoing inventions.	ightful oaths, testify in all er such acts which may be
I/We certify that I/we	have the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	François Guy Gerard Marie VIGNON	, Assignor
Date	(print name here)	Anteet Kumar JAIN	, Assignor

Shyam BHARAT

MARAGHOOSH

Dirk BINNEKAMP

Amir Mohammad TAHMASEBI

(print name here)

(print name here)

(print name here)

Date

Date

Date

PATENT REEL: 038843 FRAME: 0310

, Assignor

, Assignor

Date

and assign, and transi a place of business at	fer the entire and exclusive ri High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-name ight, title, and interest in the following to Kon AE, Eindhoven, the Netherlands, its successorely "the Assignee") my/our invention for whi	inklijke Philips N.V., having s, assigns, and legal
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	ne/us on		
		ving a Serial No.	*****
was filed on. 16 I	Dec 2014, having an Internati	ional Application No. PCT/EP2014/077854,	
and all rights in and t	o said application, and all of	her United States, foreign and international pa	tent applications associated
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I/We certify that I/we	e have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
317912015		C/J	
Date	(print name here)	Francois Guy Gerard Marie VIGNON	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Amir Mohammad TAHMASEBI MARAGHOOSH	, Assignor

Dirk BINNEKAMP

(print name here)

and assign, and to a place of busines	ransfer the entire and exclusive rass at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-namight, title, and interest in the following to Kon AE, Eindhoven, the Netherlands, its successovely "the Assignee") my/our invention for wh	ninklijke Philips N.V., having rs, assigns, and legal
was executed was filed on.		iving a Serial Noional Application No. PCT/EP2014/077854,	
and all rights in a therewith, based a provisionals divis	nd to said application, and all ot thereon, or claiming priority the sions, continuations, continuation	ther United States, foreign and international parefrom including, but not limited to, any and ans-in-part, re-examinations, reissues, and extere right, title, and interest in and to any and all	all provisionals, non- nsions thereof, and the right to
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01/28/201	(sign name here)		
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	Francois Guy Gerard Marie VIGNON	, Assignor
Date	(print name here)	Ameet Kumar JAIN	, Assignor
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Amir Mohammad TAHMASEBI	. Assignor

**MARAGHOOSH** 

Dirk BINNEKAMP

**PATENT** REEL: 038843 FRAME: 0312

, Assignor

, Assignor

Date

(print name here)

(print name here)