## 504306656 04/05/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4353337

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CYNTHIA MING-FU KUNG	10/02/2015
FALK UHLEMANN	10/05/2015
JOCHEN KRUECKER	10/02/2015
SHYAM BHARAT	10/28/2015
THOMAS ERIK AMTHOR	09/30/2015

#### **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:	15516908

### **CORRESPONDENCE DATA**

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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.

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Total Attackments, 5	
DATE SIGNED:	04/05/2017
SIGNATURE:	/Frank J. Keegan/
NAME OF SUBMITTER:	FRANK J. KEEGAN
ATTORNEY DOCKET NUMBER:	2013P02255WOUS

Total Attachments: 5

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> PATENT REEL: 041853 FRAME: 0229

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
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)		
Date	(print name here)	Shyam BHARAT	, Assignor
Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
Date	(print name here)	Jochen KRUECKER	, Assignor
Date 10 .02 4	(print name here)	Falk UHLEMANN	, Assignor
Date	(print name here)	Cynthria Ming-fu KUNG	, Assignor
Date	(print name here)	Thomas Erik AMTHOR	, Assignor

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Date

I/We certify that I/w Date Date Date Date Date	(sign name here)  (print name here)  (print name here)  (print name here)  (print name here)	Shyam BHARAT  Ehsan DEHGHAN MARVAST  Jochen KRUECKER  Falk UHLEMANN	, Assignor , Assignor , Assignor
Date Date  Sock 2015	(sign name here) (print name here) (print name here) (print name here)	Shyam BHARAT  Ehsan DEHGHAN MARVAST  Jochen KRUECKER	, Assignor
Date Date	(sign name here) (print name here) (print name here)	Shyam BHARAT  Ehsan DEHGHAN MARVAST	Assignor
Date	(sign name here) (print name here)	Shyam BHARAT	
	(sign name here)		, Assignor
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Page 1 of 1

Thomas Erik AMTHOR

(print name here)

**PATENT** REEL: 041853 FRAME: 0231

, Assignor

and assign, and trar a place of business	nsfer the entire and exclusive r at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-naight, title, and interest in the following to KAE, Eindhoven, the Netherlands, its successvely "the Assignee") my/our invention for	Koninklijke Philips N.V., having ssors, assigns, and legal
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I/We certify that I/v	we have 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
Oct. 2, 2015	Jochen Kruecker		_
Date	(print name here)	Jochen KRUECKER	, Assignor
Date	(print name here)	Falk UHLEMANN	, Assignor
Date	(print name here)	Cynthia Ming-fu KUNG	, Assignor

Thomas Erik AMTHOR

(print name here)

Date

PATENT REEL: 041853 FRAME: 0232

, Assignor

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		(2 9 ° 1)	
Date	(print name here)	Shyam BHARAT	, Assignor
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Date	(print name here)	Ehsan DEHGHAN MARVAST	, Assignor
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Date	(print name here)	Jochen KRUECKER	, Assignor
			<u></u>
Date	(print name here)	Faik UHLEMANN	, Assignor
Date	(print name here)	Cynthia Ming-fu KUNG	, Assignor
Date	(print name here)	Thomas Erik AMTHOR	, Assignor

Page 1 of 1

RECORDED: 04/05/2017

and assign, and trans a place of business a	fer the entire and exclusive t t High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-right, title, and interest in the following to I AE, Eindhoven, the Netherlands, its succeively "the Assignee") my/our invention for	Koninklijke Philips N.V., having ssors, assigns, and legal
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Date	(print name here)	Jochen KRUECKER	, Assignor
Date	(print name here)	Falk UHLEMANN	, Assignor
Date 9/30 2015	(print name here)	Cynthia Ming-fryKUNG	, Assignor
Date	(print name here)	Thomas Erik AMTHOR	, Assignor

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