505053656 08/21/2018 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAR	ICE:	ASSIGNMENT	
CONVEYING PARTY D	٩TA		
		Name	Execution Date
MARTIN JURNA			10/23/2013
FRANCISCUS NICOLAA	S KOCł	<x< td=""><td>11/05/2013</td></x<>	11/05/2013
MARIA ANGELINA JOSI	EPHA G	ROOTEL-RENSEN	11/03/2013
LINDA GOVERDINA MA	RIA BEI	JENS	10/24/2013
ANTONIUS MAARTEN I	VUIJS		04/18/2014
RECEIVING PARTY DA	TA		
Name:	KONIN	KLIJKE PHILIPS N.V.	
Street Address:	HIGH 7	FECH CAMPUS 5	
City:	EINDH	OVEN	
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Postal Code:	5656 A	E	
PROPERTY NUMBERS Property Type	Total: 1	Number	
Application Number:		14431318	
CORRESPONDENCE D	ΑΤΑ		
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		o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via	
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<i>using a fax number, if µ</i> Phone: Email:	provideo	<i>d; if that is unsuccessful, it will be sent via</i> 914-495-9521 debbie.henn@Philips.com	US Mail.
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using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	provideo	<i>d; if that is unsuccessful, it will be sent via</i> 914-495-9521 debbie.henn@Philips.com PHILIPS INTELLECTUAL PROPERTY & ST 465 COLUMBUS AVENUE	US Mail.
using a fax number, if µ Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	provideo	d; if that is unsuccessful, it will be sent via 914-495-9521 debbie.henn@Philips.com PHILIPS INTELLECTUAL PROPERTY & ST 465 COLUMBUS AVENUE SUITE 340	US Mail.
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using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	provideo	d; if that is unsuccessful, it will be sent via 914-495-9521 debbie.henn@Philips.com PHILIPS INTELLECTUAL PROPERTY & ST 465 COLUMBUS AVENUE SUITE 340 VALHALLA, NEW YORK 10595 2012P00496WOUS KATHLEEN A. ASHER	US Mail.

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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 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 e	executed co	oncurrently herewith
🗌 wa	s executed	by me/us on
[]] wa	s filed on.	, having a Serial No
🛛 wa	s filed on.	24 Sep 2013, having an International Application No. PCT/IB2013/058798,

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, nonprovisionals 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.

L/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 nccessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

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I/We certify that I/we have the full right to convey the above rights.

24 /10/2013	(sign name here)	- tof	
Date	(print name here)	Martin JURNA	, Assignor
	(sign name here)		
Date	(print name here)	Franciscus Nicolaas KOCKX	, Assignor
	(sign name here)		
Date	(print name here)	Maria Angelina Josepha GROOTEL-	, Assignor
	(sign name here)	RENSEN	
Date	(print name here)	Linda Goverdina Maria BEIJENS	, Assignor
	(sign name here)		
Date	(print name here)	Antonius Maarten NUIJS	, Assignor

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- is executed concurrently herewith
- was executed by me/us on
- 🖾 was filed on. 24 Sep 2013, having an International Application No. PCT/IB2013/058798,

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	(sign name here)		
Date	(print name here)	Martin JURNA//	, Assignor
OS NOU 2013	(sign name here)	History	
Date	(print name here)	Franciscus Nicolaus KOCKX	, Assignor
	(sign name here)		
Date	(print name here)	Maria Angelina Josepha GROOTEL-	, Assignor
	(sign name here)	RENSEN	
Date	(print name here)	Linda Goverdina Maria BEIJENS	, Assignor
	(sign name here)		
Date	(print name here)	Antonius Maarten NUIJS	, Assignor

Page 1 of 1

PATENT REEL: 046646 FRAME: 0455

ASSIGNMENT

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(sign name here)		
(print name here)	Martin JURNA	, Assignor
 (sign namé hére) 		
(print name here)	Franciscus Nicolaas KOCKX	, Assignor
(sign name here)		1.48 0
(print name here)	Maria Angelina Josepha GROOTEL-	, Assignor
(sign name here)	RENSEN	
(print name here)	Linda Coverdina Maria BEIJENS	, Assignor
(sign name here)		
(print name here)	Antonius Maarten NUUS	, Assignor
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	wa	s execute	ed by m	e/us on	***************************************	******		* • • • •		
	wa	s filed or	ñ			, having a	Serial No	• • • · · · • • • • • •		
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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, nonprovisionals 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.

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	(sign name here)		
Date	(print name here)	Martin JURNA	, Assignor
	(sign name here)		
Date	(print name here)	Franciscus Nicolaas KOCKX	, Assignor
	(sign name here)		
Date	(print name here)	Maria Angelina Josepha GROOTEL-	, Assignor
24-10-2013	(sign name here)	RENSEN - August	
Date	(print name here)	Linda Goverdina Maria BELJENS	, Assignor
	(sign name here)		
Date	(print name here)	Antonius Maarten NUIJS	, Assignor

Page 1 of 1

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\boxtimes	was filed on. 24 Sep 2013, having an International Application No. PCT/IB2013/058798,

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Date	(print name here)	Maria Angelina Josepha GROOTEL-	, Assignor
	(sign name here)	RENSEN	
Date	(print name here)	Linda Govergina Maria BEIJENS	, Assignor
OAPR 2014	(sign name here)	Linda Goverdina María BEIJENS	
Date	(print name here)	Antonius Maarten NULIS	, Assignor

Page 1 of 1

RECORDED: 08/21/2018

PATENT REEL: 046646 FRAME: 0458