#### 504058820 10/20/2016

# PATENT ASSIGNMENT COVER SHEET

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**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

### **CONVEYING PARTY DATA**

Name	Execution Date
JOHANNES WILHELMUS WEEKAMP	05/06/2015
VINCENT ADRIANUS HENNEKEN	10/14/2016
ALFONS WOUTER GROENLAND	10/11/2016
MARCUS CORNELIS LOUWERSE	10/18/2016

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15305414

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ATTORNEY DOCKET NUMBER:	2013P01984WOUS
NAME OF SUBMITTER:	CHRISTOPHER L. KUYPER
SIGNATURE:	/Christopher L, Kuyper/
DATE SIGNED:	10/20/2016

**Total Attachments: 4** 

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> **PATENT** REEL: 040073 FRAME: 0887 504058820

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> PATENT REEL: 040073 FRAME: 0888

to

Date

		we acknowledge receipt, I/we as a below-na	
-		right, title, and interest in the following to K	
-	•	AE, Eindhoven, the Netherlands, its succes	
representatives, incl	uding any nominees (collecti	vely "the Assignee") my/our invention for t	vhich an application:
is executed conc	urrently herewith		
was executed by	me us on	*****************************	
was filed on	, ha	ving a Serial No	
was filed on. 05	May 2015, having an Interna	tional Application No. PCT/EP2015/05976	59,
and all rights in and	to said application, and all of	her United States, foreign and international	patent applications associated
therewith, based the	reon, or claiming priority the	refrom including, but not limited to, any an	d all provisionals, non-
provisionals division	ns, continuations, continuatio	ns-in-part, re-examinations, reissues, and ex	tensions thereof, and the right t
claim priority theret	o, 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	request that the Patent Office	officials in the United States and in any and	I all foreign countries to issue
	•	the Assignee(s), for its sole use, and that o	
legal representatives	ā.		
7/887		1	1
		he Assignee to enjoy the foregoing right, tit	
	· ·	nee, I/we agree to execute all papers, take a	
	•	xions and infringement actions, and do all c and maintaining patents on the foregoing inv	
thereto in the Assign	·-	and mannanting parents on the foregoing in	amen or ion poetsoming time
I/We certify that I/w	e have the full right to conve	y the above rights.	
·			
6 MAY 2015	(sign name here)		
Date	(print name here)	Johannes Wilhelmus WEEKAMP	, Assignor
Date	(print name here)	Vincent Adrianus HENNEKEN	, Assignor
			×
Date	(print name here)	Alfons Wouter GROENLAND	, Assignor

Page 1 of 1

(print name here)

Marcus Cornelis LOUWERSE

, Assignor

and assign, and to a place of busine	ransfer the entire and exclusive t ss at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-na right, title, and interest in the following to K AE, Eindhoven, the Netherlands, its succes vely "the Assignee") my/our invention for v	oninklijke Philips N.V., having sors, assigns, and legal
was executed was filed on.		rving a Serial Notional Application No. PCT/EP2015/05976	
therewith, based provisionals divi	thereon, or claiming priority the sions, continuations, continuations,	ther United States, foreign and international refrom including, but not limited to, any and us-in-part, re-examinations, reissues, and exe right, title, and interest in and to any and a	fall provisionals, non- tensions thereof, and the right to
	rs Patent when granted, solely to	officials in the United States and in any and the Assignee(s), for its sole use, and that of	
extent. Upon rec legal proceedings necessary, desira thereto in the Ass	quest at the expense of the Assig s including patent prosecution ac ble, or convenient for securing a	the Assignee to enjoy the foregoing right, tit nee, I/we agree to execute all papers, take all ctions and infringement actions, and do all o and maintaining patents on the foregoing inversely by the above rights.	l rightful oaths, testify in all ther such acts which may be
	(sign name here)		
Date	(print name here)	Johannes Wilhelmus WEEKAMP	, Assignor
<u> Det 14, 201</u> Date	(print name here)	Vincep Adrianus HENNEKEN	, Assignor
Date	(print name here)	Alfons Wouter GROENLAND	, Assignor
Date	(print name here)	Marcus Cornelis LOUWERSE	, Assignor

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**PATENT** REEL: 040073 FRAME: 0890

# U.S.A. Sole/Joint ASSIGNMENT Docket No. 2013P01984WOUS

and assign, and transfer the a place of business at Hig	e entire and exclusive rig h Tech Campus 5,5656 Al	acknowledge receipt, I/we as a below-na ht, title, and interest in the following to K E, Eindhoven, the Netherlands, its success ly "the Assignee") my/our invention for v	oninklijke Philips N.V., having sors, assigns, and legal
was filed on	s on, haví	ng a Serial No	
therewith, based thereon, provisionals divisions, co	or claiming priority theref ntinuations, continuations	or United States, foreign and international from including, but not limited to, any and in-in-part, re-examinations, reissues, and exright, title, and interest in and to any and a	d all provisionals, non- ttensions thereof, and the right to
•		ficials in the United States and in any and ne Assignce(s), for its sole use, and that of	
extent. Upon request at the legal proceedings including	te expense of the Assigneing patent prosecution action metion action action action and and actions and actions and actions are actions.	Assignee to enjoy the foregoing right, tit e, I/we agree to execute all papers, take alons and infringement actions, and do all of maintaining patents on the foregoing invite above rights.	ll rightful oaths, testify in all ther such acts which may be
	(sign name here)	2.6	. Assissa
Date	(print name here)	Johannes Withelmus WEEKAMP	Assignor
Date	CONTRACTOR	Vincent Adrianus HENNEKEN	Assignor
Date (1 oct 5016	(print name here)	Alfons Wouter GROENLAND	- Landenda
Date	(print name here)	Marcus Cornelis LOUWERSE	« Assignor

Page 1 of 1

and assign, and transfer a place of business at F	the entire and exclusive right Tech Campus 5,5656.	ve acknowledge receipt, I/we as a below-nar ight, title, and interest in the following to Ko AE, Eindhoven, the Netherlands, its success- vely "the Assignee") my/our invention for w	minklijke Philips N.V., having ors, assigns, and legal
was filed on	sus on, ha	ving a Serial Notional Application No. PCT/EP2015/059769	
therewith, based thereo provisionals divisions,	n, or claiming priority ther continuations, continuation	her United States, foreign and international prefrom including, but not limited to, any and as-in-part, re-examinations, reissues, and extending title, and interest in and to any and al	all provisionals, non- ensions thereof, and the right to
**		officials in the United States and in any and the Assignee(s), for its sole use, and that of	
extent. Upon request a legal proceedings inclu	t the expense of the Assign ding patent prosecution act convenient for securing ar	ne Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all tions and infringement actions, and do all off and maintaining patents on the foregoing inve	rightful oaths, testify in all ier such acts which may be
I/We certify that I/we h	ave the full right to convey	the above rights.	
	(sign name here)		
Date	(print name here)	Johannes Wilhelmus WEEKAMP	Assignor
Date Date	(print name here)	Vincep Adrianus HENNEKEN	, Assignor

Page 1 of 1

Alfons Wouter GROENLAND

Marcus Cornelis LOUWERSE

PATENT REEL: 040073 FRAME: 0892

, Assignor

«Assignor

(print name here)

(print name here)

Date