503653028 01/18/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3699662

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JULIAN CHARLES NOLAN	12/18/2015
ALEXANDER HENRICUS WALTHERUS VAN EEUWIJK	12/21/2015
HILBRAND VANDEN WYNGAERT	07/11/2014
YA LIN TI	09/30/2014

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:	14905870

CORRESPONDENCE DATA

Fax Number: (914)332-0615

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: 914-945-6000

Email: jaclyn.busta@philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

Address Line 1: P.O. BOX 3001

Address Line 4: BRIARCLIFF MANOR, NEW YORK 10510

ATTORNEY DOCKET NUMBER:	2013P00476WOUS
NAME OF SUBMITTER:	THOMAS M. LUNDIN
SIGNATURE:	/Thomas M. Lundin/
DATE SIGNED:	01/18/2016

Total Attachments: 4

source=2013P00476WOUS_ExecutedAssignment#page1.tif source=2013P00476WOUS_ExecutedAssignment#page2.tif source=2013P00476WOUS_ExecutedAssignment#page3.tif

PATENT 503653028 REEL: 037510 FRAME: 0420

source=2013P00476WOUS_ExecutedAssignment#page4.tif

PATENT REEL: 037510 FRAME: 0421

For good and valuab	le consideration, of which I	/we acknowledge receipt, I/we as a below-nar	med Assignor(s), hereby sell.
and assign, and trains	ier the entire and exclusive	right, title, and interest in the following to Ke	minklijka Philipa NIV havin
a prace of ousiness at	rugn Tech Campus 5,5656	AE, Eindhoven, the Netherlands, its success	ore accione and legal
representatives, men	ding any nominees (collect	ively "the Assignee") my/our invention for w	hich an application:
is executed concu	rrently herewith		
transan.	ne/us on		
was filed on	. h	aving a Serial No.	
was filed on. 11 J	ul 2014, having an Internat	ional Application No. PCT/EP2014/064882,	•••••
		FF	
and all rights in and to	o said application, and all o	ther United States, foreign and international p	natent applications associated
merewiin, based mere	on, or claiming priority the	refrom including, but not limited to, any and	all provisionals non
provisionals divisions	, continuations, continuation	ns-in-part, re-examinations, reissues, and ext	ensions thereof and the right
ciami priorny mereto,	and the entire and exclusive	re right, title, and interest in and to any and al	patents granted on these
applications.			
ENTE A STATE OF			
1/ We authorize and re	quest that the Patent Office	officials in the United States and in any and	all foreign countries to issue
any and an Letters Pa	tent when granted, solely to	the Assignee(s), for its sole use, and that of i	ts successors, assigns, and
legal representatives.			
I/We will provide my	Our cooperation to enable to	the American and the state of t	
extent. Upon request	at the expense of the Assist	he Assignee to enjoy the foregoing right, title	, and interest to the fullest
legal proceedings inch	iding natent procedution as	nee, I/we agree to execute all papers, take all: tions and infringement actions, and do all oth	rightful eaths, testify in all
necessary, desirable, o	r convenient for securing a	nd maintaining patents on the foregoing inver	er such acts which may be
thereto in the Assigned	a.	nd manufathing patents on the foregoing inver	mon or for perfecting title
•			
I/We certify that I/we	have the full right to conve	y the above rights.	
		1	
1	ate.	1	
18/12/2011	(sign name here)		
Date	(print name here)	Julian Charles NOLAN	, Assignor
		Anne.	, , , , , , , , , , , , , , , , , , , ,
Date	(print name here)	Alexander Henricus Waltherus VAN	, Assignor
		EEUWIJK	
Date	(print name here)	Hilbrand VANDEN WYNGAERT	, Assignor
Date	(print name here)	Ya Lin Ti	, Assignor
		Floor 4 as d	
		Page 1 of 1	

PATENT REEL: 037510 FRAME: 0422

and assign, and transfer a place of business at Hi	the entire and exclusive rig gh Tech Campus 5,5656 A	e acknowledge receipt, I/we as a below-nament, title, and interest in the following to Kor. E. Eindhoven, the Netherlands, its successory "the Assignee") my/our invention for wh	ninklijke Philips N.V., having ors, assigns, and legal
is executed concurre	ntly herewith		
	us on		
		ing a Serial No	**********
was filed on. 11 Jul ?	2014, having an Internation	nal Application No. PCT/EP2014/064882,	
and all rights in and to sa	aid application, and all other	er United States, foreign and international p	atent applications associated
		from including, but not limited to, any and	
		i-in-part, re-examinations, reissues, and exte	
		right, title, and interest in and to any and all	_
applications.			
		fficials in the United States and in any and a he Assignee(s), for its sole use, and that of i	
I/We will provide my/ou	r cooperation to enable the	Assignee to enjoy the foregoing right, title	, and interest to the fullest
extent. Upon request at	the expense of the Assigne	e, I/we agree to execute all papers, take all i	rightful oaths, testify in all
necessary, desirable, or c		ons and infringement actions, and do all oth I maintaining patents on the foregoing inver	
thereto in the Assignee.			
I/We certify that I/we ha	ve the full right to convey	the above rights,	
	laion nome bount		
Date	(sign name here)	/Julian Charles NOLAN	Andrean
21-12-2015	(print name here)	Juman Charles NOLAN	, Assignor
Date	(print name here)	Alexander Henricus Waltherus VAN	, Assignor
Date	(print name here)	Hilbrand VANDEN WYNGAERT	, Assignor
Date	(print name here)	Ya Lin TI	, Assignor

Page 1 of 1

U.S.A. Sole/Joint

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
was filed on, having a Serial No
was filed on. 11 Jul 2014, having an International Application No. PCT/EP2014/064882,

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)	Julian Charles NOLAN	, Assignor	
Date Date Date	(print name here) (print name here)	Alexander Henricus Waltherus VAN EEUWIJK Hilbrand VANDEN WYNGAERT	Assignor Assignor	
Date	(print name here)	Ya Lin TI	, Assignor	

Page 1 of 1

PATENT REEL: 037510 FRAME: 0424

and assign, and tra a place of business	ansfer the entire and exclusive range at High Tech Campus 5,5656	we acknowledge receipt, I/we as a below-namight, title, and interest in the following to KorAE, Eindhoven, the Netherlands, its successovely "the Assignee") my/our invention for wh	inklijke Philips N.V., having rs, assigns, and legal
was executed by was filed on		ving a Serial Noonal Application No. PCT/EP2014/064882,	
therewith, based the provisionals divis:	hereon, or claiming priority thereions, continuations, continuations, continuation	her United States, foreign and international parefrom including, but not limited to, any and ans-in-part, re-examinations, reissues, and extee right, title, and interest in and to any and all	all provisionals, non- nsions thereof, and the right t
	s Patent when granted, solely to	officials in the United States and in any and a the Assignee(s), for its sole use, and that of it	
extent. Upon required legal proceedings necessary, desirable thereto in the Assi	nest at the expense of the Assign including patent prosecution ac- lle, or convenient for securing a	he Assignee to enjoy the foregoing right, title nee, I/we agree to execute all papers, take all a tions and infringement actions, and do all oth and maintaining patents on the foregoing inverse y the above rights.	rightful oaths, testify in all er such acts which may be
	(sign name here)		
Date	(print name here)	Julian Charles NOLAN	, Assignor
Date	(print name here)	Alexander Henricus Waltherus VAN EEUWIJK	, Assignor
Date Sepp. 30. 20/	(print name here)	Hilbrand VANDEN WYNGAERT	, Assignor
Date Date	(print name here)	Ya Lin TI	, Assignor

Page 1 of 1

PATENT REEL: 037510 FRAME: 0425