503444106 08/20/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THEODORUS JOHANNES PETRUS VAN DEN BIGGELAAR	12/13/2013
OSCAR HENDRIKUS WILLEMSEN	12/13/2013
DAVE WILLEM VAN GOOR	12/16/2013
HENRICUS THEODORUS VAN DER ZANDEN	12/16/2013
EBERHARD WAFFENSCHMIDT	12/20/2013
AAD SEMPEL	12/19/2013
LIEVEN RAF ROGER DESMET	09/24/2013

RECEIVING PARTY DATA

Name:	KONINKLIJKLE 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:	14237901	

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: jo.cangelosi@philips.com

Correspondent Name: PHILIPS ELECTRONICS NORTH AMERICA

Address Line 1: 345 SCARBOROUGH ROAD

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ATTORNEY DOCKET NUMBER:	2011P01694WOUS
NAME OF SUBMITTER:	MEENAKSHY CHAKRAVORTY
SIGNATURE:	/Meenakshy Chakravorty/
DATE SIGNED:	08/20/2015

PATENT 503444106 REEL: 036377 FRAME: 0636

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and all rights in ar	nd to said application, and all ot	ner United States, foreign and international	patent applications associated
therewith, based th	hereon, or claiming priority ther	efrom including, but not limited to, any and	all provisionals, non-
provisionals divisi	ions, continuations, continuation	s-in-part, _e-examinations, reissues, and ex	tensions thereof, and the right
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I/We certify that I	/we have the full right to convey	the above rights.	
2000	(picon anone hara)		
3 12 - 20 13 Date	(sign name here) (print name here)	Theodorus Johannes Petrus VAN	, Assignor
Loaic	fram mane nesel	// DEN BIGGELAAR	, stankersk
14 18 18		W.H	
Date	(print name here)	Oscar Hendrikus WILLEMSEN	, Assignor
Date	(print name here)	Dave Willem VAN GOOR	, Assignor
Date	(print name here)	Eberhard WAFFENSCHMIDT	, Assignor
Date	(print name here)	Aad SEMPEL	, Assignor
Date	(print name here)	Lieven Raf Roger DESMET	, Assignor
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Page 1 of 1

and assign, and tra a place of business	insfer the entire and exclusive ri s High Tech Campus 5, 5656 Al	e acknowledge receipt, I/we as a below-na- ght, title, and interest in the following to Ke E. Eindhoven, the Netherlands, its successorely "the Assignee") my/our invention for w	oninklijke Philips N.V., having rs, assigns, and legal
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	(sign name here)		
Date	(print name here)	Theodorus Johannes Petrus VAN DEN BIGGELAAR	, Assignor
Date 6-12-203	(print name here)	Oscar Hendrikus WILLEMSEN	, Assignor
Date	(print name here)	Dave Willem VAN GOOR	, Assignor
Date	(print name here)	Eberhard WAFFENSCHMIDT	, Assignor
Date	(print name here)	Aad SEMPEL	Assignor
Date (6-12-2013	(print name here)	Lieven Raf Roger DESMET	, Assignor
Date	(print name here)	Henricus Theodorus VAN DER ZANDEN	, Assignor

Page 1 of 1

and assign, and tr a place of busines	ansfer the entire and exclusive riss High Tech Campus 5, 5656 A	ve acknowledge receipt, I/we as a below-natight, title, and interest in the following to KeE, Eindhoven, the Netherlands, its successorely "the Assignee") my/our invention for w	oninklijke Philips N.V., baving rs, assigns, and legal
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I/We certify that l	I/we have the full right to conve	y the above rights.	
	(sign name here)		
Date	(print name here)	Theodorus Johannes Petrus VAN DEN BIGGELAAR	Assignor
Date	(print name here)	Oscar Hendrikus WILLEMSEN	Assignor
Date 2000	(print name here)	Dave Willem VAN GOOR	, Assignor
Date	(print name here)	Eberhard XAFFENSCHMIDT	, Assignor
Date	(print name here)	And SEMPEL	, Assignor
Date	(print name here)	Lieven Raf Roger DESMET	, Assignor
Date	(print name here)	Henricus Theodorus VAN DER ZANDEN	Assignor

Page 1 of 1

		ve acknowledge receipt, I/we as a below-na	
-		ght, title, and interest in the following to K	
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representatives, is	ncluding any nominees (collectiv	rely "the Assignee") my/our invention for v	hich an application:
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legal proceedings necessary, desiral thereto in the Ass	s including patent prosecution ac ble, or convenient for securing a	see, I/we agree to execute all papers, take all tions and infringement actions, and do all on maintaining patents on the foregoing involves the above rights.	ther such acts which may be
	(sign name here)		
Date	(print name here)	Theodorus Johannes Petrus VAN	, Assignor
		DEN BIGGELAAR	
Date	(print name here)	Oscar Hendrikus WILLEMSEN	, Assignor
Daie	(print name here)	Dave Willem VAN GOOR	, Assignor
Date	(print name here)	Eberhard WAFFENSCHMIDT	, Assignor
112-17-7012	y	Papurel	
<u>/4 - /2 - 20/2</u> Date	(print name here)	And SEMPEL	, Assignor
Date	(print name here)	Lieven Raf Roger DESMET	, Assignor
Date	(print name here)	Henricus Theodorus VAN DER	. Assienor

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Page 1 of 1

For good and valuable consideration, of which I/s	e acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,
and assign, and transfer the entire and exclusive r	ght, 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 (collective	ely "the Assignee") my/our invention for which an application:
[7]	
is executed concurrently herewith	
was executed by me/us on	

was filed on., having a Serial No.

 was filed on. 13 Aug 2012, having an International Application No. PCT/IB2012/054110.

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)	Theodorus Johannes Petrus VAN DEN BIGGELAAR	, Assignor
Date	(print name here)	Oscar Hendrikus WILLEMSEN	, Assignor
Date	(print name here)	Dave Willem VAN GOOR	, Assignor
Date	(print name here)	Eberhard WAFFENSCHMIDT	, Assignor
Date	(print name here)	Adrianus SEMPEL	, Assignor
38 09 2013 Date	(print name here)	Lieven Raf Roger DESMET	, Assignor
Date	(print name here)	Henricus Theodorus VAN DER ZANDEN	, Assignor
		Page 1 of 1	

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REEL: 036377 FRAME: 0642

RECORDED: 08/20/2015