PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FABIAN WENZEL	05/21/2012
ROEL TRUYEN	06/05/2012
JEAN-PIERRE FRANCISCUS ALEXANDER MARIA ERMES	05/21/2012
JOHAN MICHIEL DEN HARDER	05/22/2012

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS ELECTRONICS N.V.		
Street Address:	GROENEWOUDSEWEG 1		
City:	EINDHOVEN		
State/Country:	NETHERLANDS		
Postal Code:	5621 BA		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14007698

CORRESPONDENCE DATA

Fax Number: 9143320615

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 914-945-6000

Email: patti.demichele@philips.com

Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD

Address Line 1: P.O. BOX 3001

Address Line 4: BRIARCLIFF MANOR, NEW YORK 10510

	PATENT	
Signature:	/Todd A. Holmbo/	
NAME OF SUBMITTER:	Todd A. Holmbo	
ATTORNEY DOCKET NUMBER:	2011P00297WOUS	

REEL: 031286 FRAME: 0406

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Date:	09/26/2013
Total Attachments: 4 source=2011P00297WOUS_Assignment#pasource=2011P00297WOUS_Assignme	age2.tif age3.tif

PATENT REEL: 031286 FRAME: 0407

to

and assign, and transfer N.V., having a place of	the entire and exclusive business at Groenewoud	I/we acknowledge receipt, I/we as a be right, title, and interest in the following diseweg 1, 5621 BA Eindhoven, the Ne collectively "the Assignee") my/our in	ng to Koninklijke Philips Electronics etherlands, its successors, assigns, and
	/us on, t	naving a Serial No	
therewith, based thereon provisionals divisions, o	n, or claiming priority the continuations, continuations.	other United States, foreign and internerefrom including, but not limited to, ons-in-part, re-examinations, reissues, we right, title, and interest in and to ar	any and all provisionals, non- , and extensions thereof, and the right
		e officials in the United States and in a to the Assignee(s), for its sole use, and	· ·
extent. Upon request at legal proceedings includ	the expense of the Assi	the Assignee to enjoy the foregoing r gnee, I/we agree to execute all papers, actions and infringement actions, and a and maintaining patents on the forego	take all rightful oaths, testify in all do all other such acts which may be
I/We certify that I/we ha	ave the full right to conv	rey the above rights.	
<u> </u>	(sign name here) (print name here)	Fabian WENZEL	Assignor
Date	(sign name here) (print name here)	Roel TRUYEN	. Assignor
Date	(sign name here) (print name here)	Jean-Pierre Franciscus Alexand ERMES	

Page 1 of 1

(print name here) Johan Michiel DEN HARDER

(sign name here)

Date

PATENT REEL: 031286 FRAME: 0408

Assignor

For good and valuable	e consideration, of which	I/we acknowledge receipt, I/we as a below-named	l Assignor(s), hereby sell,
and assign, and trans	fer the entire and exclusive	e right, title, and interest in the following to Konir	klijke Philips Electronics
N.V., having a place	of business at Groenewou	dseweg 1, 5621 BA Eindhoven, the Netherlands,	its successors, assigns, and
legal representatives,	including any nominees (collectively "the Assignee") my/our invention for	which an application:
is executed concu	errently herewith		
was executed by	me/us on	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
was filed on		having a Serial No	.ca)
was filed on. 2011	l-Mar-30, having an Inter	mational Application No. PCT/IB2012/051536,	
and all rights in and t	o said application, and all	other United States, foreign and international pate	ent applications associated
therewith, based there	eon, or claiming priority t	herefrom including, but not limited to, any and all	provisionals, non-
provisionals division	s, continuations, continuat	ions-in-part, re-examinations, reissues, and extens	sions thereof, and the right to
claim priority thereto applications.	, and the entire and exclus	sive right, title, and interest in and to any and all p	atents granted on these
I/We authorize and re	equest that the Patent Offic	ce officials in the United States and in any and all	foreign countries to issue
any and all Letters Pa	itent when granted, solely	to the Assignee(s), for its sole use, and that of its	successors, assigns, and
legal representatives.			
Www.will provide ma	Our conneration to enable	e the Assignee to enjoy the foregoing right, title, a	nd interest to the follest
		ignee, I/we agree to execute all papers, take all rig	
		actions and infringement actions, and do all other	
		and maintaining patents on the foregoing inventi	
thereto in the Assigna	_		
I/We certify that I/we	have the full right to con	vey the above rights.	
: 220,11	. (sign name here)		Assignor
Date	(print name here)	Fabian WENZEL	
		To the second se	
June 5, 2012		A statement	
	(sign name here)		. Assignor
Date	(print name here)	Roel TRUYEN	
	(sign name here)		Assignor
Date	(print name here)	Jean-Pierre Franciscus Alexander Maria	
	. ,	ERMES	
	(sign name here)		Assignor
Date	(print name here)	Johan Michiel DEN HARDER	

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PATENT REEL: 031286 FRAME: 0409

and assign, and transfer N.V., having a place of l	the entire and exclusive ousiness at Groenewoud	we acknowledge receipt, I/we as a be right, title, and interest in the following seweg 1, 5621 BA Eindhoven, the Ne ollectively "the Assignee") my/our in-	ng to Koninklijke Philips Electronics therlands, its successors, assigns, and
	us on, h	aving a Serial No	
therewith, based thereon provisionals divisions, c	, or claiming priority the ontinuations, continuation	other United States, foreign and internative to the including, but not limited to, a cons-in-part, re-examinations, reissues, we right, title, and interest in and to an	any and all provisionals, non- and extensions thereof, and the right to
•		e officials in the United States and in a o the Assignee(s), for its sole use, and	
extent. Upon request at legal proceedings includ	the expense of the Assigning patent prosecution a	the Assignee to enjoy the foregoing rignee, I we agree to execute all papers, ections and infringement actions, and cand maintaining patents on the forego	take all rightful oaths, testify in all do all other such acts which may be
I/We certify that I/we ha	ive the full right to conv	ey the above rights.	
Date	(sign name here) (print name here)	Fabian WENZEL	Assignor
Date	(sign name here) (print name here)	Roel TRUYEN	. Assignor
<u> 2012 - 5 - 71</u> Date	(sign name here) (print name here)	Jean-Pierre Franciscus Alexand ERMES	. Assignor er Maria

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Johan Michiel DEN HARDER

(sign name here)

(print name here)

Date

Assignor

RECORDED: 09/26/2013

ASSIGNMENT

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

N.V., having a place	e of business at Groenewou	e right, title, and interest in the following to Kondseweg 1, 5621 BA Eindhoven, the Netherlands collectively "the Assignee") my/our invention for	, its successors, assigns, and
was filed on	me/us on	having a Serial No	
therewith, based the provisionals divisio	reon, or claiming priority these continuations, continuations, continuations.	other United States, foreign and international panerefrom including, but not limited to, any and a ions-in-part, re-examinations, reissues, and exterive right, title, and interest in and to any and all	II provisionals, non- nsions thereof, and the right to
	Patent when granted, solely	ce officials in the United States and in any and a to the Assignee(s), for its sole use, and that of it	
extent. Upon reque legal proceedings in	st at the expense of the Assi scluding patent prosecution b, or convenient for securing	e the Assignee to enjoy the foregoing right, title, ignee, I/we agree to execute all papers, take all ractions and infringement actions, and do all other and maintaining patents on the foregoing inver	rightful oaths, testify in all er such acts which may be
I/We certify that I/v	ve have the full right to con	vey the above rights.	
Date	(sign name here) (print name here)	Fabian WENZEL	.Assignor
Date	(sign name here) (print name here)	Roel TRUYEN	Assignor
Date	(sign name here)(print name here)	Jean-Pierre Franciscus Alexander Maris ERMES	.Assignor
<u> 2012 - May - 12</u> Date	<u>(sign name here)</u> (print name here)	Johan Michiel DEN HARDER	. Assignor

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PATENT REEL: 031286 FRAME: 0411