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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2705163

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RALPH HUBERT PETERS	09/12/2012
HARALD WILLWOHOL	09/12/2012
BAS FLESKENS	09/10/2012
THEODOOR CORNELIS TREURNIET	10/01/2012

RECEIVING PARTY DATA

Name:	Koninklijke Philips Electronics N V		
Street Address:	High Tech Campus 5		
City:	Eindhoven		
State/Country:	NETHERLANDS		
Postal Code:	5656AE		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14236108	

CORRESPONDENCE DATA

Fax Number: (914)332-0615 Phone: 914-332-0222

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ATTORNEY DOCKET NUMBER:	2011P00580WOUS
NAME OF SUBMITTER:	MARK L. BELOBORODOV

PATENT REEL: 032089 FRAME: 0682

Signature:	/Mark L. Beloborodov/
Date:	01/30/2014
Total Attachments: 3 source=2011P00580_EXEC_ASSIGNMENT_2#page1.tif source=2011P00580_EXEC_ASSIGNMENT_2#page2.tif source=2011P00580_EXEC_ASSIGNMENT_2#page3.tif	

PATENT REEL: 032089 FRAME: 0683 For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell,

		e right, title, and interest in the following to Ko seweg 1, 5621 BA Eindhoven, Netherlands, its suc	
		ctively "the Assignee") my/our invention for w	
was filed on	e/us on	having a Serial No	
therewith, based therec provisionals divisions,	on, or claiming priority the continuations, continuations.	other United States, foreign and international prerefrom including, but not limited to, any and ions-in-part, re-examinations, reissues, and extive right, title, and interest in and to any and al	all provisionals, non- ensions thereof, and the right to
		ce officials in the United States and in any and to the Assignee(s), for its sole use, and that of	
extent. Upon request a legal proceedings inclu	at the expense of the Assi ading patent prosecution : r convenient for securing	the Assignee to enjoy the foregoing right, title ignee, I/we agree to execute all papers, take all actions and infringement actions, and do all oth and maintaining patents on the foregoing inve	rightful oaths, testify in all her such acts which may be
I/We certify that I/we I	nave the full right to conv	vey the above rights.	÷.
<u> 2012-05-12</u> Date	(sign name here) (print name here)	Ralph Hubert PETERS	, Assignor
<u> 2012 - 03 - 12.</u> Date	(sign name here) (print name here)	Havald WILLWOHL	. Assignor
Date	(sign name here) (print name here)	Bas FLESKENS	Assignor
Date	(sign name here) (print name here)	Theodoor Cornelis TREURNIET	Assignor

Page 1 of 1 REEL: 032089 FRAME: 0684

~		I/we acknowledge receipt, I/we as a bel	
		right, title, and interest in the following	
		seweg 1, 5621 BA Eindhoven, Netherlands,	
representatives, in	cluding any nominees (collec	tively "the Assignee") my/our invention	a for which an application:
is executed con	ncurrently herewith		
	by me/us on		
was filed on	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	naving a Serial No	
was filed on. 2	012-Jul-23, having an Interna	ational Application No. PCT/IB2012/0	53731,
and all rights in ar	nd to said application, and all	other United States, foreign and interna	tional patent applications associated
therewith, based t	hereon, or claiming priority th	erefrom including, but not limited to, a	ny and all provisionals, non-
provisionals divis	ions, continuations, continuat	ions-in-part, re-examinations, reissues,	and extensions thereof, and the right to
claim priority the	reto, and the entire and exclus	ive right, title, and interest in and to any	and all patents granted on these
applications.			
I/We authorize an	d request that the Patent Offic	e officials in the United States and in a	ny and all foreign countries to issue
any and all Letter:	s Patent when granted, solely	to the Assignee(s), for its sole use, and	that of its successors, assigns, and
legal representativ	/e\$;		
I/We will provide	my/our cooperation to enable	the Assignee to enjoy the foregoing rip	ght, title, and interest to the fullest
extent. Upon requ	uest at the expense of the Assi	gnee, I/we agree to execute all papers,	take all rightful oaths, testify in all
legal proceedings	including patent prosecution	actions and infringement actions, and d	o all other such acts which may be
necessary, desirab	ole, or convenient for securing	and maintaining patents on the foregoi	ng invention or for perfecting title
thereto in the Ass	ignee.		
I/We certify that I	/we have the full right to con	vey the above rights.	
	w Same : S		Angiawan
Date	(sign name here)	TO B C KY B 4 KKKNOTHIKA	Assignor
Date	(print name here)	Ralph Hubert PETERS	
	(sign name here)		Assignor
Date	(print name here)	Harald WILLWOHL	A
	(print name nere)	LEGISTE WILLIAM VILL	
9/10/201	(sign name here)		. Assignor
Date	(print name here)	Bas FLESKENS	and the state of t
	thum mune mene)	APPENDING REAL PARTIES OF THE SECOND	
	(sign name here)		Assignor
Date	(print name here)	Theodoor Cornelis TREURNIE	

PATENT REEL: 032089 FRAME: 0685

(print name here)

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

and assign, and trai	nsfer the entire and exclusiv	e right, title, and interest in the following to	Koninklijke Philips Electronics
N.V., having a plac	e of business at Groenewoue	dseweg 1, 5621 BA Eindhoven, Netherlands, its s	successors, assigns, and legal
representatives, inc	cluding any nominees (colle	ctively "the Assignee") my/our invention for	which an application:
is executed con-	currently herewith		
was executed by	y me/us on		
was filed on	***************************************	having a Serial No	*********
was filed on. 20	012-Jul-23, having an Interr	national Application No. PCT/IB2012/05373	1,
and all rights in and	d to said application, and all	other United States, foreign and internationa	I patent applications associated
therewith, based the	ereon, or claiming priority t	herefrom including, but not limited to, any a	nd all provisionals, non-
provisionals divisio	ons, continuations, continua	tions-in-part, re-examinations, reissues, and e	extensions thereof, and the right to
claim priority there applications.	to, and the entire and exclu	sive right, title, and interest in and to any and	all patents granted on these
	Patent when granted, solely	ce officials in the United States and in any ar to the Assignee(s), for its sole use, and that o	
extent. Upon reque legal proceedings is	est at the expense of the Ass acluding patent prosecution e, or convenient for securing	e the Assignee to enjoy the foregoing right, to ignee, I/we agree to execute all papers, take a actions and infringement actions, and do all g and maintaining patents on the foregoing in	all rightful oaths, testify in all other such acts which may be
I/We certify that I/v	ve have the full right to con	vey the above rights.	
	(sign name here)		A seism as
Date	(print name here)	Ralph Hobert PETERS	, Assignor
	(sign name here)		Assignor
Date	(print name here)	Harald WILLWOHL	1.1.6000.664.004
·····	<u>(sign name here)</u>		. Assignor
Date	(print name here)	Bas FLESKENS	
1-10-2012			
	(sign name here)	The state of the s	, Assignor
Date	(print name here)	Theodoor Cornelis TREURNIET	

Page 1 of 1

RECORDED: 01/30/2014

PATENT REEL: 032089 FRAME: 0686