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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FENG HUANG	02/27/2012
MAX OSKAR KOEHLER	02/17/2012
JUKKA ILMARI TANTTU	02/17/2012
WEILIN	03/08/2012

RECEIVING PARTY DATA

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State/Country:	NETHERLANDS	
Postal Code:	5621 BA	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14001941

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NAME OF SUBMITTER:	Benjamin Y. Han	
Signature:	/Benjamin Y. Han/	
	PATENT	

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Date:	08/28/2013
Total Attachments: 3 source=2011P00325WOUS_Assignment#p. source=2011P00325WOUS_Assignment#p. source=2011P00325WOUS_Assignment#p.	age2.tif

to

and assign, and transfer N.V., having a place of	r the entire and exclusiv business at Groenewou	e right, title, and interest in the follow	pelow-named Assignor(s), hereby sell, ving to Koninklijke Philips Electronics letherlands, its successors, assigns, and invention for which an application:
was filed on	2/us on,	having a Serial No	
therewith, based thereo provisionals divisions,	n, or claiming priority t continuations, continua	herefrom including, but not limited to	s, and extensions thereof, and the right
,		ce officials in the United States and in to the Assignee(s), for its sole use, an	n any and all foreign countries to issue and that of its successors, assigns, and
extent. Upon request a legal proceedings inclu	t the expense of the Ass ding patent prosecution convenient for securing	e the Assignee to enjoy the foregoing ignee, I/we agree to execute all paper actions and infringement actions, and and maintaining patents on the fores	s, take all rightful oaths, testify in all do all other such acts which may be
I/We certify that I/we h	ave the full right to con	vey the above rights.	
<u>0 2 / 2 7 / 2 0 1 2</u> Date	(sign name here) (print name here)	Feng MUANG	
Date	(sign name here) (print name here)	Max Oskar KÖHLER	
Date	(sign name here) (print name here)	Jukka IlmariTANTTU	Assignor
Date	(sign name here) (print name here)	Wei LIN	

		I/we acknowledge receipt, I/we as a below-name	
		e right, title, and interest in the following to Koni	•
		udseweg 1, 5621 BA Eindhoven, the Netherlands,	_
legal representatives, i	ncluding any nominees	(collectively "the Assignee") my/our invention for	r which an application:
is executed concur	rently herewith		
was executed by m	e/us on	enenenenenenenenenenenenenenen	
		having a Serial No.	
		national Application No. PCT/IB2012/050504,	•••
and all rights in and to	said application, and al	l other United States, foreign and international pat	ent applications associated
		therefrom including, but not limited to, any and all	• •
		tions-in-part, re-examinations, reissues, and exten	
		sive right, title, and interest in and to any and all p	
applications.		5 ··, ····, ···· ··· ··· ··· ·· ··· ·· ··	6
I/We authorize and rec	juest that the Patent Offi	ice officials in the United States and in any and all	foreign countries to issue
		to the Assignee(s), for its sole use, and that of its	_
legal representatives.	-		
I/We will provide my/	our cooperation to enabl	e the Assignee to enjoy the foregoing right, title, a	and interest to the fullest
extent. Upon request a	it the expense of the Ass	signee, I/we agree to execute all papers, take all rig	ghtful oaths, testify in all
		actions and infringement actions, and do all other	
		g and maintaining patents on the foregoing inventi	•
thereto in the Assignee			,
-			
I/We certify that I/we I	have the full right to con	ivey the above rights:	
***************************************	(sign name here)		, Assignor
Date	(print name here)	Feng HUANG	
		· a committee in the	gan dis
172.102	(sign name here)		A
Date		8. O.A. XÖVIX 2333	<u>, Assignor</u>
LJ MCO	(print name here)	Max Oskar KÖHLER	
17,2,2012		Maria James	
	(sign name here)	1 James Land	, Assignor
Date	(print name here)	Jukka IlmariTANTTU	
	(sign name here)		, Assignor
Date	(print pame here)	Wai I IN	9 A EMPERIOREMAN

Wei LIN

(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 transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics
N.V., having a place of business at Groenewoudseweg 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 concurrently herewith
	was executed by me/us on
	was filed on, having a Serial No.
\boxtimes	was filed on. 2012-Feb-03, having an International Application No. PCT/IB2012/050504,

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.

Date	(sign name here) (print name here)	Feng HUANG	Assignor
Date	(sign name here) (print name here)	Max Oskar KÖHLER	<u>, Assignor</u>
Date	(sign name here) (print name here)	Jukka IlmariTANTTU	<u>, Assignor</u>
3/8/20(2 Date	(sign name here)	Wei LIN	. Assignor

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