PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ERKKI TAPANI VAHALA	02/20/2014

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS N.V.		
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City:	EINDHOVEN		
State/Country:	NETHERLANDS		
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14767948	

CORRESPONDENCE DATA

Fax Number:

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.

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NAME OF SUBMITTER: MICHAEL A. EPSTEIN	
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DATE SIGNED:	08/14/2015

Total Attachments: 1

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PATENT 503436684 REEL: 036325 FRAME: 0670

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

Date	(print name here)	Erkki Tapani VAHALA	, Assignor
2014/02/20	(sign name here)		
I/We certify that I/we h	ave the full right to convey	the above rights.	
	convenient for securing ar	ions and infringement actions, and d ad maintaining patents on the foregoi	
extent. Upon request a	t the expense of the Assign	e Assignee to enjoy the foregoing ripes, I/we agree to execute all papers,	take all rightful oaths, testify in all
•		officials in the United States and in a the Assignee(s), for its sole use, and	
provisionals divisions,	continuations, continuation		and extensions thereof, and the right to
	* =	er United States, foreign and interna from including, but not limited to, a	
was filed on. 19 Fel	o 2014, having an Internation	onal Application No. PCT/EP2014/0	53198,
was filed on	, hav	ing a Serial No	(0)1(0)1(0)1(0)1(0)1(0)
	/us on		
is executed concurre	ently herewith		
^	**	AE, Eindhoven, the Netherlands, its sely "the Assignee") my/our invention	
and assign, and transfer	the entire and exclusive rig	ght, title, and interest in the following	g to Koninklijke Philips N.V., having

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PATENT REEL: 036325 FRAME: 0671