#### 12/12/2014 503099174

# 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	07/27/2013
MIKA PETRI YLIHAUTALA	09/23/2013
MELANIE SUZANNE KOTYS	11/18/2013

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State/Country:	NETHERLANDS
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14407831	

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ATTORNEY DOCKET NUMBER:	2012P00939WOUS
NAME OF SUBMITTER:	BENJAMIN Y. HAN
SIGNATURE:	/Benjamin Y. Han/
DATE SIGNED:	12/12/2014

## **Total Attachments: 3**

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> **PATENT** REEL: 034497 FRAME: 0420 503099174

and assign, and trans a place of business a	sfer the entire and exclusive t High Tech Campus 5,5656	we acknowledge receipt, I/we as a below right, title, and interest in the following to AE. Eindhoven, the Netherlands, its suc- vely "the Assignee") my/our invention for	Koninklijke Philips N.V., h essors, assigns, and legal	
is executed conci	urrently herewith			
was executed by	me/us on			
was filed on	, ha	aving a Serial No.		
was filed on. 31	<b>Way 2013</b> , having an interna	ational Application No. PCT/IB2013/054	<del>3</del> 06,	
therewith, based there provisionals division	reon, or claiming priority the is, continuations, continuatio	ther United States, foreign and internation refrom including, but not limited to, any ons-in-part, re-examinations, reissues, and re right, title, and interest in and to any ar	and all provisionals, non- extensions thereof, and the	right to
	atent when granted, solely to	officials in the United States and in any a the Assignee(s), for its sole use, and tha		
extent Upon reques legal proceedings inc necessary, desirable, thereto in the Assign	t at the expense of the Assig cluding patent prosecution ac or convenient for securing a	the Assignee to enjoy the foregoing right, nee, I/we agree to execute all papers, take tions and infringement actions, and do alond maintaining patents on the foregoing by the above rights	all rightful oaths, testify in a l other such acts which may	all be
D We certify that B Wi	e dave de fun right to conve	y the above rights.		
243/2/22	(sign name here)	Martin Marana	· · · · · · · · · · · · · · · · · · ·	
Date	(print name here)	Erkki Tapani VAHALA	, Assignor	
	(sign name here)			
Date	(print name here)	Mika Petri YLIHAUTALA	, Assignor	
	(sign name here)			
Dahe	(print name here)	KOTYS Mélanie Suzanne	Assignor	

Page 1 of 1

PATENT REEL: 034497 FRAME: 0421

V V		ve acknowledge receipt, I/we as a below	
		ight, title, and interest in the following t	
		AE, Eindhoven, the Netherlands, its suc	
representatives, inclu	ling any nominees (collectr	vely "the Assignee") my/cut invention f	or wrach an approximen:
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and all rights in and to	said application, and all of	her United States, foreign and internation	mal patent applications associated
therewith, based there	on, or claiming priority the	efrom including, but not limited to, any	and all provisionals, non-
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claim priority thereto,	and the entire and exclusiv	e right, title, and interest in and to any a	nd all paterits granted on these
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any and all Letters Palegal representatives.  I/We will provide my extent. Upon request legal proceedings incl	tent when granted, solely to four cooperation to enable ( at the expense of the Assign ading patent prosecution ac	officials in the United States and in any the Assignee(s), for its sole use, and the he Assignee to enjoy the foregoing right hee, I/we agree to execute all papers, tak tions and infringement actions, and do a nd maintaining patents on the foregoing	at of its successors, assigns, and i, title, and interest to the follest te all rightful oaths, testify in all all other such acts which may be
thereto in the Assigne	<b>&amp;</b>		
I/We certify that I/we	have the full right to conve	y the above rights.	
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	(sign name here)		
Date	(print name here)	Erkki Tapani VAHALA	, Assignor
23.9.2013	(sign name bere)	<u> </u>	
Date	(print more here)	Mika Petri YLIHAUTALA	, Assignor
	(sign name here)		
Date	(print name here)	KOTYS Mělanie Suzanne	, Assignor

Page 1 of 1

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**RECORDED: 12/12/2014** 

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therewith, based the provisionals division	reon, or claiming priority therns, continuations,	ner United States, foreign and internation of the continuity of th	nd all provisionals, none extensions thereof, and the right t
	atent when granted, solely to	officials in the United States and in any a the Assignee(s), for its sole use, and that	-
extent. Upon request legal proceedings in necessary, desirable, thereto in the Assign	at at the expense of the Assign cluding patent prosecution act or convenient for securing an	ne Assignee to enjoy the foregoing right, thee, I we agree to execute all papers, take tions and infringement actions, and do all and maintaining patents on the foregoing in the above rights.	all rightful oaths, testify in all other such acts which may be
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Date	Sformer assessed respects	and states a subsection a typochypring	, a resembly
	(sign name here)		
Date	(print name here)	Mika Petri YLIHAUTALA	, Assignor
11/18/13	(sign name here)		
Date	(print name here)	KOTYS Mélanie Suzanne	, Assignor

Page 1 of 1

**PATENT REEL: 034497 FRAME: 0423**