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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAN BENNIK	12/09/2010
GERBEN RAAP	02/09/2011
MARK JOHANNES LELIEVELD	01/17/2011
JASPER ZUIDERVAART	01/17/2011

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State/Country:	NETHERLANDS	
Postal Code:	5621 BA	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13509732

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Total Attachments: 3

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and all ric	ohte in and to	said annlication, and all ot	her United States, foreign and international p	natent applications associated
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I/We will	provide my/o	ur cooperation to enable t	he Assignee to enjoy the foregoing right, title	e, and interest to the fullest
extent. U	Jpon request a	t the expense of the Assign	nee, I/we agree to execute all papers, take all	rightful oaths, testify in all
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necessary	, desirable, or	convenient for securing a	nd maintaining patents on the foregoing inve	ntion or for perfecting title
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	2010	(sign name here)	Jan BENNIK	, Assignor
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Date Date		(sign name here) (sign name here) (print name here)	Jan BENNIK Gerben RAAP	, Assignor

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

		right, title, and interest in the following to K	•
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legal representatives, i	ncluding any nominees (co	offectively "the Assignee") my/our invention	n for which an application:
is executed concur	cently herewith		
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	· · · · · · · · · · · · · · · · · · ·	Koninklijke Philips Electronics N.V., for i	ts sole use, and that of its
successors, assigns, an	d legal representatives.		
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I/We certify that I/we I	have the full right to conve	y the above rights.	
	(sign name here)		, Assignor
Date	(print name here)	Jan BENNIK	
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0902-2011	(sign name here)		, Assignor
Date	(print name here)	Gerben RAAP	
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¥.	(sign name here)		, Assignor
Date	(print name here)	Mark Johannes LELIEVELD	, Assigned
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	(sign name here)		, Assignor
Date	(print name here)	Jasper ZUIDERVAART	· · · · · · · · · · · · · · · · · · ·

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 of	of business at Groenewouds	right, title, and interest in the following to K seweg 1, 5621 BA Eindhoven, the Netherland ollectively "the Assignee") my/our invention	nds, its successors, assigns, and
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therewith, based there provisionals divisions,	on, or claiming priority the continuations, continuations,	ther United States, foreign and international refrom including, but not limited to, any an ins-in-part, reexaminations, reissues, and exertight, title, and interest in and to any and	d all provisionals, non- tensions thereof, and the right to
any and all Letters Pat		officials in the United States and in any and Koninklijke Philips Electronics N.V., for i	
extent. Upon request a legal proceedings inch	at the expense of the Assign ading patent prosecution ac r convenient for securing a	he Assignee to enjoy the foregoing right, tit nee, I/we agree to execute all papers, take a stions and infringement actions, and do all o and maintaining patents on the foregoing inv	Il rightful oaths, testify in all ther such acts which may be
I/We certify that I/we	have the full right to conve	y the above rights.	
Date	(sign name here) (print name here)	Jan BENNIK	Assignor
Date	(sign name here)	Gerben RAAP	Assignor
17 /01 /2021 Date	(sign name here) (print name here)	Mark Johannes LELIEVELD	, Assignor
<u> </u>	(sign name here)	Jasner ZUDERVAART	, Assignor

RECORDED: 05/14/2012