PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4370738

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EUGENE SIMON POLZIK	03/09/2016
ALBERT SCHLIESSER	03/15/2016
SILVAN SCHMID	07/23/2015
ANDERS SONDBERG SORENSEN	09/03/2016
JACOB M. TAYLOR	03/22/2017
KOJI USAMI	03/10/2016
TOLGA BAGCI	04/11/2017
ANDERS SIMONSEN	03/15/2016
LUIS GUILLERMO VILLANUEVA	07/23/2015
EMIL ZEUTHEN	03/21/2016
JUERGEN APPEL	03/21/2016

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PATENT REEL: 042269 FRAME: 0288

504324054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14328871

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	Q213302 (APR)
NAME OF SUBMITTER:	ELAINE C. BARTON
SIGNATURE:	/Elaine C. Barton/
DATE SIGNED:	04/17/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 24

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ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, Kobenhavns Universitet of Norregade 10, Copenhagen K, 1165, Denmark, Danmarks Tekniske Universitet of Anker Engelundsvei 1, Kongens Lyngby, 2800, Denmark, and National Institute of Standards and Technology of 100 Bureau Drive, Stop 2200 Building 222, Room A240, Gaithersburg, Maryland, 20899-2200 (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor,

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:		
This assignment with declaration is directed to:		The attached application, or
The application is entitled:	図	United States Application or PCT International Application Number <u>14/328.871</u> filed on <u>July 11, 2014</u> .

OPTICAL DETECTOR AND AMPLIFIER FOR RF-DETECTION

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

NAME OF SOLE OR FIRST INVENTOR:			
Given Name			
(first and middle [if any]) Eugene Simon	Family Name or Surname POLZIK		
Inventor's signature G. Po Ji	Date March 9, 2016		
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Mailing Address: Kristianiagade 20, 5, Copenhagen O, 2100, Denmark			
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(first and middle [if any]) Albert	Family Name or Surname SCHLIESSER		
Inventor's signature	Date March 15, 2016		
Residence: Copenhagen K, Denmark			
Mailing Address: Hedebygade 7, Copenhagen K, 1754, Denmark			
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Inventor's signature	Date		
Residence: Kobenhavn O, Denmark			
Mailing Address: Odensegade 9, 3TH, Kobenhavn O, 2100, Denmark			
NAME OF FOURTH INVENTOR:			
Given Name (first and middle (if any)) Anders Sondberg	Family Name or Surname SORENSEN		
Inventor's signature Andre Summer	Date 9/2 - 2016		
inventor's signature,			
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Given Name (first and middle [if any]) Jacob M.	Family Name or Surname TAYLOR		
Inventor's signature	Date		
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NAME OF SIXTH INVENTOR:			
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Inventor's signature toji Usami	Date 10/03/2016		
Residence: Kawasaki, Japan			
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NAME OF SEVENTH INVENTOR:			
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Inventor's signature	Date		
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Mailing Address: Altinkum Mahallesi, Sedir Caddesi. 2078 sokak., Aga	noglu 11. Apt. No: 4/7, Akcay/Edremit, Balikesir, Turkey		
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Given Name (first and middle [if any]) Anders	Family Name or Surname SIMONSEN		
Inventor's signature	Date		
Residence: Copenhagen NV, Denmark			
Mailing Address: Bygmestervej 35, st., Copenhagen NV, 2400, Denma	rk		
NAME OF NINTH INVENTOR:			
Given Name (first and middle [if any]) Luis Guillermo	Family Name or Surname VILLANUEVA		
Inventor's signature	Date		
Residence: Neuchatel, Switzerland			
Mailing Address: Ch. Gratte Semelle, 33, Neuclatel, 2000 Switzerland			
NAME OF TENTH INVENTOR:			
Given Name (first and middle [if any]) Emil	Family Name or Surname ZEUTHEN		
Inventor's signature Date			
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Mailing Address: Brugesgade 12, 4. th., Copenhagen N, 2200, Denmark			

NAME OF ELEVENTH INVENTOR:		
Given Name (first and middle [if any]) Juergen	Family Name or Surname APPEL	
Inventor's signature	Date	
inventor 5 signature		
Residence: Soborg, Denmark		
Mailing Address: Holmevej 76, Soborg, 2860, Denmark	(

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, Kobenhavns Universitet of Norregade 10, Copenhagen K, 1165, Denmark, Danmarks Tekniske Universitet of Anker Engelundsvej 1, Kongens Lyngby, 2800, Denmark, and National Institute of Standards and Technology of 100 Bureau Drive, Stop 2200 Building 222, Room A240, Gaithersburg, Maryland, 20899-2200 (assignees), desire to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

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This assignment with declaration is directed to:		The attached application, or
unceted to.	Ø	United States Application or PCT International Application Number <u>14/328,871</u> filed on July 11, 2014.

The application is entitled:

OPTICAL DETECTOR AND AMPLIFIER FOR RF-DETECTION HAVING A POSITION DEPENDENT CAPACITOR WITH A DISPLACEABLE MEMBRANE

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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NAME OF SOLE OR FIRST INVENTOR:			
Given Name		not ave	
(first and middle [if any]) Eugene Simon	Family Name or Surname	POLZIK	
Inventor's signature	Date		
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Residence: Copenhagen O, Denmark			
Mailing Address: Kristianiagade 20, 5, Copenhagen O, 2100, Denmark			
NAME OF SECOND INVENTOR:			
Given Name (first and middle [if any]) Albert	Family Name or Surname	SCHLIESSER	
Anna manage is mill)	The state of Limitation		
Inventor's signature	Date		
Residence: Copenhagen K, Denmark			
Mailing Address: Hedebygade 7, Copenhagen K, 1754, Denmark			
NAME OF THIRD INVENTOR:			
Given Name			
	Family Name or Surname	SCHMID	
(first and middle [if any]) Silvan Inventor's signature S. A	Data	2615-67-23	
Inventor 5 signature	Date	- V L V	
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NAME OF FOURTH INVENTOR:			
Given Name (first and middle [if any]) Anders Sondberg	Family Name or Surname	SORENSEN	
(martine in any j) Anders Sondoerg	- amily Italiae of Ourname	WANTED	
Inventor's signature	Date	2000 A	
Residence: Rodovre, Denmark Mailing			
Address: Grambyvej 66B, Rodovre, 2610, Denmark			
NAME OF FIFTH INVENTOR:	i		
Given Name (first and middle [if any]) Jacob M.	Family Name or Surname	TAYLOR	
	Transmission and the second of		
Inventor's signature	Date		
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Mailing Address: 226 Upland Road, Cambridge, Massachusetts, 02140			

REEL: 042269 FRAME: 0295

NAME OF SIXTH INVENTOR:			
Given Name (first and middle [if any]) Koji	Family Name or Surname USAMI		
Inventor's signature	Date		
Residence: Kawasaki, Japan			
Mailing Address: Kizuki-Sumiyoshi-cho 23-3-3-7, Nakahara-ku	ı, Kawasaki, 211-0021, Japan		
NAME OF SEVENTH INVENTOR:			
Given Name (first and middle [if any]) Tolga	Family Name or Surname BAGCI		
Inventor's signature	Date		
Residence: Ankara, Turkey			
Mailing Address: Kavaklidere Mah, Bagis Sok, No: 27/2, 0668	0, Cankaya, Ankara, Turkey		
NAME OF EIGHTH INVENTOR:			
Given Name (first and middle [if any]) Anders	Family Name or Surname SIMONSEN		
Inventor's signature	Date		
Residence: Copenhagen NV, Denmark			
Mailing Address: Bygmestervej 35, st., Copenhagen NV, 2400, Denmark			
NAME OF NINTH INVENTOR:			
Given Name (first and middle [if any]) Luis Guillermo	Family Name or Surname VILLANUEVA		
Inventor's signature	Date		
Residence: Neuchatel, Switzerland			
Mailing Address: Ch. Gratte Semelle, 33, Neuchatel, 2000, Switzerland			
NAME OF TENTH INVENTOR:			
Given Name (first and middle [if any]) Emil	Family Name or Surname ZEUTHEN		
Inventor's signature	Date		
Residence: Copenhagen N, Denmark	·		
Mailing Address: Bragesgade 12, 4. th., Copenhagen N, 2200, Denmark			

NAME OF ELEVENTH INVENTOR:	
Given Name (first and middle [if any]) Juergen	Family Name or Surname APPEL
Inventor's signature	Date
Inventor's signature	2000
Residence: Soborg, Denmark	
Mailing Address: Holmevej 76, Soborg, 2860, Denmark	

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NAME OF SOLE OR FIRST INVENT	OR:		
Given Name	400 410		
(first and middle [if any])	Eugene Simon	Family Name or Surname	POLZIK
Inventor's signature		Date	
Residence: Copenhagen O, Denmark	:		
Mailing Address: Kristianiagade 20, 5	5, Copenhagen O, 2100, Denmark		
NAME OF SECOND INVENTOR:			
Given Name (first and middle [if any])	Albert	Family Name or Surname	SCHLIESSER
Inventor's signature		Date	,
Residence: Copenhagen K, Denmark			
Mailing Address: Hedebygade 7, Cop	enhagen K, 1754, Denmark		
NAME OF THIRD INVENTOR:			
Given Name (first and middle [if any])	Silvan	Family Name or Surname	SCHMID
Inventor's signature		Date	;
Residence: Kobenhavn Ø, Denmark			
Mailing Address: Odensegade 9, 3TH	I, Kobenhavn Ø, 2100, Denmark		
NAME OF FOURTH INVENTOR:			
Given Name	Anders Sondberg	Family Name or Surname	SORENSEN
Inventor's signature		Date	
Residence: Rodovre, Denmark			
Mailing Address: Grambyvej 66B, Roc	dovre, 2610, Denmark		
NAME OF FIFTH INVENTOR:			All Control of the Co
Given Name (first and middle [if any])	Jacob M.	Family Name or Surname	TAYLOR
Inventor's signature		Date	
Residence: Cambridge, Massachuse	rtts		
Mailing	Cambridge, Massachusetts, 02140		
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NAME OF SIXTH INVENTOR:				
Given Name (Gest and middle fif and)	Family Name or Surnam	163	USAMI	
(first and middle [if any]) Koji	I minty (vante of Surfail		Ç., 4114	
Inventor's signature		Date	MILLIAN I	
Residence: Kawasaki, Japan				
Mailing Address: Kizuki-Sumiyoshi-cho 23-3-3-7, Nakahara-ku, Kawas	aki, 211-0021, Japan	an a		
NAME OF SEVENTH INVENTOR:			And the state of t	
Given Name	S N Mariana and Samurana		DACCI	
(first and middle [if any]) Tolga	Family Name or Surnan	ie	BAGCI	
Inventor's signature		Date		
Residence: Balikesir, Turkey				
Mailing Address: Altinkum Mahallesi, Sedir Caddesi, 2078 sokak., Aga	oglu 11. Apt. No. 4/7. Ak	eay/Edr	emit, Balikesir, Turkey	
NAME OF EIGHTH INVENTOR:				
Given Name				
(first and middle [if any]) Anders	Family Name or Surnan	ne	SIMONSEN	
Inventor's signature		Date	15-03-2016	
Residence: Copenhagen NV, Denmark				
Mailing Address: Bygmestervej 35, st., Copenhagen NV, 2400, Denmark				
Mailing Address: Bygmestervej 35, st., Copenhagen NV, 2400, Denmar NAME OF NINTH INVENTOR:		274.986743.99 0 00.00		
Given Name				
(first and middle [if any]) Luis Guillermo	Family Name or Surnar	ne	VILLANUEVA	
leventer's significant		Date		
Inventor's signature		1		
Residence: Neuchatel, Switzerland				
Cl. Court from 16, 22 November 1, 2000 Sections and				
Mailing Address: Ch. Gratte Semelle, 33, Neuchatel, 2000 Switzerland				
NAME OF TENTH INVENTOR: Given Name				
(first and middle [if any]) Emil	Family Name or Suma	me	ZEUTHEN	
Inventor's signature Emil Feuther		Date	21/3/2016	
Residence: Copenhagen N, Denmark			(1	
Mailing Address: Bragesgade 12, 4, th., Copenhagen N, 2200, Denmar	k			

NAME OF ELEVENTH INVENTOR: Given Name	
(first and middle [if any]) Juergen	Family Name or Surname APPEL
Inventor's signature	Date
Residence: Soborg, Denmark	
Mailing Address: Holmevej 76, Soborg, 2860, Denmar	k

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NAME OF SOLE OR FIRST INVENT	ΓOR:		
Given Name			
(first and middle [if any])	Eugene Simon	Family Name or Surname	POLZIK
Inventor's signature		Dat	te
Residence: Copenhagen O, Denmarl	k		
Mailing Address: Kristianiagade 20,	5, Copenhagen O, 2100, Denmark		
NAME OF SECOND INVENTOR:			
Given Name (first and middle [if any])	Albert	Family Name or Surname	SCHLIESSER
Inventor's signature		Da	te
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Mailing Address: Hedebygade 7, Co	penhagen K, 1754, Denmark		
NAME OF THIRD INVENTOR:	3000410	T	
Given Name (first and middle [if any])	Silvan	Family Name or Surname	SCHMID
Inventor's signature		Da	ite
Residence: Kobenhavn Ø, Denmark	ξ		
	H, Kobenhavn Ø, 2100, Denmark		
NAME OF FOURTH INVENTOR:			
Given Name (first and middle [if any])	Anders Sondberg	Family Name or Surname	SORENSEN
Inventor's signature		Date	3
Residence: Rodovre, Denmark			
Mailing Address: Grambyvej 66B, Ro	odovre, 2610, Denmark		
NAME OF FIFTH INVENTOR:		T	
Given Name (first and middle [if any])	Jacob M.	Family Name or Surname	TAYLOR
Inventor's signature		Date	e
Residence: Cambridge, Massachus	etts		
Mailing	Cambridge, Massachusetts, 02140)	

NAME OF SIXTH INVENTOR:		Maries	
Given Name (first and middle [if any]) Koji	Family Name or Surnar	ne	USAMI
Inventor's signature	nakakusi mashin okusi dama sunga di masa dama sunga saka yang dan dahakusi da	Date	
Residence: Kawasaki, Japan			
Mailing Address: Kizuki-Sumiyoshi-cho 23-3-3-7, Nakahara-ku, Kawas	aki, 211-0021, Japan		
NAME OF SEVENTH INVENTOR:	<u>PRESENTATION HER PROPERTY AND THE PROPE</u>		
Given Name (first and middle [if any]) Tolga	Family Name or Surnar	ne	BAGCI
Inventor's signature	-	Date	
Residence: Balikesir, Turkey		08088888	44
Mailing Address: Altinkum Mahallesi, Sedir Caddesi. 2078 sokak., Aga	oglu 11. Apt. No: 4/7, Al	ceay/Edr	emit, Balikesir, Turkey
NAME OF EIGHTH INVENTOR:			
Given Name (first and middle [if any]) Anders	Family Name or Surnar	ne	SIMONSEN
Inventor's signature		Date	
Residence: Copenhagen NV, Denmark			
Mailing Address: Bygmestervej 35, st., Copenhagen NV, 2400, Denmar	k	-	
NAME OF NINTH INVENTOR:			
Given Name (first and middle [if any]) Luis Guillermo	Family Name or Surnar	ne	VILLANUEVA
Inventor's signature		Date	2015-07-23
Residence: Neuchatel, Switzerland			100404
Mailing Address: Ch. Gratte Semelle, 33, Neuchatel, 2000 Switzerland			
NAME OF TENTH INVENTOR:			
Given Name (first and middle [if any]) Emil	Family Name or Surnar	ne	ZEUTHEN
Inventor's signature		Date	
Residence: Copenhagen N, Denmark			
Mailing Address: Bragesgade 12, 4. th., Copenhagen N, 2200, Denmark			
		Management of the second of th	

NAME OF ELEVENTH INVEN	TOR:		
Given Name (first and middle [if any])	Juergen	/	Family Name or Surname APPEL
Inventor's signature	an hu		Date 2016-03-21
	**		
Residence: Soborg, Denma	rk		
Mailing Address: Holmevej 76	, Soborg, 2860, Denmarl	(

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, Kobenhavns Universitet of Norregade 10, Copenhagen K, 1165, Denmark, <u>Danmarks Tekniske Universitet of Anker Engelundsvej 1, Kongens Lyngby, 2800, Denmark</u>, and <u>National Institute of Standards and Technology of 100 Bureau Drive, Stop 2200 Building 222, Room A240, Gaithersburg, Maryland, 20899-2200</u> (assignees), desire to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:				
This assignment with declaration is		The attached application, or		
directed to:	Ø	United States Application or PCT International Application Number <u>14/328,871</u> filed on <u>July 11, 2014</u> .		

The application is entitled:

OPTICAL DETECTOR AND AMPLIFIER FOR RF-DETECTION HAVING A POSITION DEPENDENT CAPACITOR WITH A DISPLACEABLE MEMBRANE

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

NAME OF SOLE OR FIRST INVENTOR:	
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(first and middle [if any]) Eugene Simon	Family Name or Surname POLZIK
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NAME OF TENTH INVENTOR:	
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NAME OF ELEVENTH INVENTOR:				
Given Name (first and middle [if any]) Juergen	Family Name or Surname APPEL			
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Residence: Soborg, Denmark				
Mailing Address: Holmevej 76, Soborg, 2860, Denmark				

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, <u>Kobenhavns Universitet of Norregade 10</u>, <u>Copenhagen K</u>, <u>1165</u>, <u>Denmark</u>, <u>Danmarks Tekniske Universitet of Anker Engelundsvej 1</u>, <u>Kongens Lyngby</u>, <u>2800</u>, <u>Denmark</u>, and <u>National Institute of Standards and Technology of 100 Bureau Drive</u>, <u>Stop 2200 Building 222</u>, <u>Room A240</u>, <u>Gaithersburg</u>, <u>Maryland</u>, <u>20899-2200</u> (assignees), desire to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

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NAME OF SOLE OR FIRST INVENTOR:	- Augusta and Augu				
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