505250027 12/21/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5296808

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YI QIANG	09/29/2018
HUINI DU	10/01/2018
KENT C. BURR	10/23/2018

RECEIVING PARTY DATA

Name:	CANON MEDICAL SYSTEMS CORPORATION
Street Address:	1385, SHIMOISHIGAMI
City:	OTAWARA-SHI, TOCHIGI
State/Country:	JAPAN
Postal Code:	324-8550

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16163319

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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.

Phone: (703) 413-3000

Email: atrumpler@oblon.com

Correspondent Name: OBLON. ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	512392US
NAME OF SUBMITTER:	ANDREW TRUMPLER
SIGNATURE:	/Andrew Trumpler/
DATE SIGNED:	12/21/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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> **PATENT** REEL: 047842 FRAME: 0419 505250027

Attorney Docket Number: 512392US

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	CORRECT ENERGY SHIFT IN MULTI-C NON-LINEAR ENERGY MEASUREMEN CHANNELS		
As the below name	d inventor, I hereby declare that:		
This declaration	The attached application, or		
is directed to:	United States application or PCT international ap filed on	-	umber
The above-identifie	ed application was made or authorized to be made b	y me.	
I believe that I am t	he original inventor or an original joint inventor of	a claimed i	invention in the application.
(hereinafter referred Japan 324-8550, is	NON MEDICAL SYSTEMS CORPORATION d to as "ASSIGNEE") having places of business as desirous of acquiring the entire right, title and interpretate therefore in the United States and its	erest in and	to said invention and in and to any
acknowledged, and ASSIGNEE, the ful all foreign countrie relevant Internation in and to any and a	FORE, in consideration of the sum of FIVE DOL for other good and valuable consideration, I, by the all and exclusive right to the said invention in the Unis (including the right to claim priority under the tenal Treaties and Arrangements from the aforesaid apill Letters Patent which may be granted therefor in foreign countries and in and to any and all divisions.	se presents aited States erms of the oplication) a the United	do sell, assign and transfer unto said and its territorial possessions and in International Convention and other and the entire right, title and interest States and its territorial possessions
and all foreign cour of my entire right, successors and assi	ze and request the Patent Office Officials in the Unit ntries to issue any and all of said Letters Patent, wh title and interest in and to the same, for the sole gns, to the full end of the term for which said Lette have been held by me had this Assignment and sale	en granted use and beers Patent n	, to said ASSIGNEE as the assignee ehoof of said ASSIGNEE, its (his) nay be granted, as fully and entirely
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.			
-	reledge that any willful false statement made in this oment of not more than five (5) years, or both.	declaration	is punishable under 18 U.S.C. 1001
LEGAL NAME OF	FINVENTOR		
Inventor: Yi QIA		Date:	9/29/2018
Signature:	Siang Mi		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 047842 FRAME: 0420

Attorney Docket Number: 512392US

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	CORRECT ENERGY SHIFT IN MULTI-CHANNEL EVENTS CAUSED BY
NK N A APOK N APKANDA N	NON-LINEAR ENERGY MEASUREMENT OR CROSSTALK BETWEEN CHANNELS
As the below nar	ned inventor, I hereby declare that:
This declaration	🔀 The attached application, or
is directed to:	United States application or PCT international application number
The above-identi	fied application was made or authorized to be made by me.
I believe that I ar	n the original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter refer Japan 324-8550	ANON MEDICAL SYSTEMS CORPORATION red to as "ASSIGNEE") having places of business at: 1385, Shimoishigami, Otawara-shi, Tochigi is desirous of acquiring the entire right, title and interest in and to said invention and in and to any at may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, a said ASSIGNEE, and in all foreign other relevant In- interest in and to possessions and	REFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and ternational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial in any and all foreign countries and in and to any and all divisions, reissues, continuations, renewals thereof.
any and all forei assignee of my e (his) successors	orize and request the Patent Office Officials in the United States and its territorial possessions and gn countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ntire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and me would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. nprisonment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor: Huin	Date 10/1/2018
Signature	Di Ain

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 047842 FRAME: 0421 Attorney Docket Number: 512392US

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	CORRECT ENERGY SHIFT IN MULTI-CHANNEL EVENTS CAUSED BY NON-LINEAR ENERGY MEASUREMENT OR CROSSTALK BETWEEN CHANNELS	
	d inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States application or PCT international application number	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, CANON MEDICAL SYSTEMS CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at: 1385, Shimoishigami, Otawara-shi, Tochigi Japan 324-8550, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
acknowledged, and said ASSIGNEE, the and in all foreign conter relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto ne full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
any and all foreign assignee of my ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.	
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.	
LEGAL NAME OF	- 180 - 18 ²	
Inventor: Kent C.	BURR Date: 10/23/20/15	
Signature:	20 C / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 047842 FRAME: 0422

RECORDED: 12/21/2018