

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3908211

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MEDUSA SCIENTIFIC, LLC	06/04/2013
RECEIVING PARTY DATA		
Name:	TM IP HOLDINGS, LLC	
Street Address:	6969 E. SUNRISE DRIVE, SUITE 100	
City:	TUCSON	
State/Country:	ARIZONA	
Postal Code:	85750	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14430510
CORRESPONDENCE DATA		
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<i>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.</i>		
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ATTORNEY DOCKET NUMBER:	39785-0025US1	
NAME OF SUBMITTER:	VERONICA JUAREZ	
SIGNATURE:	/Veronica Juarez/	
DATE SIGNED:	06/08/2016	
Total Attachments: 3		
source=Assignment (Medusa - TM IP Holdings)#page1.tif		
source=Assignment (Medusa - TM IP Holdings)#page2.tif		
source=Assignment (Medusa - TM IP Holdings)#page3.tif		

ASSIGNMENT

WHEREAS, Medusa Scientific LLC, a limited liability company organized and existing under the laws of the State of Arizona and having an office and place of business at 6969 E. Sunrise Drive, Suite 100, Tucson, Arizona 85750, ("ASSIGNOR") is the owner and original filer of the inventions and patents listed in Schedule A (the "APPLICATIONS") annexed hereto and made a part hereof; and

WHEREAS, TM IP Holdings, LLC, a limited liability company organized and existing under the laws of the State of Arizona and having an office and a place of business at 6969 E. Sunrise Drive, Suite 100, Tucson, Arizona 85750 ("ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the APPLICATIONS, in the United State of America, and in its territories and dependencies and in all countries foreign to the United States of America.

NOW, THEREFORE, TO WHOM IT MAY CONCERN: be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNOR has sold, assigned and transferred to the ASSIGNEE, its successors, assigns or other legal representatives, the full and exclusive right, title and interest in and to the APPLICATIONS in the United States of America, its territories and dependencies and in all countries foreign to the United States of America.

ASSIGNOR hereby authorizes the ASSIGNEE, its successors, assigns or other legal representatives, to apply for a patent or similar protection directly in its own name based on the APPLICATIONS, including, but not limited to any divisional applications, continuation applications, continuation-in-part applications and foreign applications.

ASSIGNOR represents to the ASSIGNEE that it has not and shall not execute any writing or do any act whatsoever that conflicts with this Assignment. ASSIGNOR further agrees to execute all additional instruments and to do all things necessary for carrying out the purpose of this instrument and for maintaining, obtaining and enforcing the APPLICATIONS, all patents issuing from the APPLICATIONS, and all rights based on the APPLICATIONS, without additional consideration, but at the expense of the ASSIGNEE, and its successors.

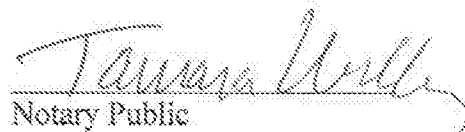
Signed this 4th day of June, 2013 by



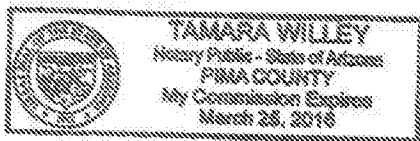
Daniel L. Hodges, CEO
Assignor, Medusa Scientific LLC

State of Arizona)
) ss.
County of Pima)

The foregoing instrument was acknowledged before me this 4th day of June, 2013, by Daniel L. Hodges, represented to be authorized signatory for **Medusa Scientific, LLC**, on behalf of **Medusa Scientific LLC**


Notary Public

My Commission Expires:



SCHEDULE A
ASSIGNED PATENT APPLICATIONS

U.S. Patent Appln Serial No. 13/841,889

For: TRANSPOSITIONAL MODULATION SYSTEMS AND METHOD

PCT International Patent Appln Serial No. PCT/US13/32565

For: TRANSPOSITIONAL MODULATION SYSTEMS AND METHOD

U.S. Prov. Patent Appln. Serial No. 61/794,942

For: TRANSPOSITIONAL MODULATION FOR OPTICAL
COMMUNICATION

U.S. Prov. Patent Appln. Serial No. 61/794,786

For: TIME-SHIFT-LOCKED-LOOP

U.S. Prov. Patent Appln. Serial No. 61/798,120

For: QUADRATURE TRANSPOSITIONAL MODULATION

U.S. Prov. Patent Appln. Serial No. 61/794,642

For: TRANSPOSITIONAL MODULATION FOR ULTRASOUND

U.S. Prov. Patent Appln. Serial No. 61/798,437

For: THE CONVEYANCE OF INFORMATION AS A TIME OR PHASE ANGLE
DIFFERENCE