505049211 08/14/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

ersion v1.1 EPAS ID: PAT5095965

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JANUSZ MURAKOWSKI	07/24/2018
TIMOTHY CREAZZO	07/24/2018

RECEIVING PARTY DATA

Name:	PHASE SENSITIVE INNOVATIONS, INC.		
Street Address:	116 SANDY DR.		
Internal Address:	SUITE A		
City:	NEWARK		
State/Country:	DELAWARE		
Postal Code:	19713		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16044427	

CORRESPONDENCE DATA

Fax Number: (703)563-0600

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: 7037577880

Email: pto@muirpatentlaw.com
Correspondent Name: MUIR PATENT LAW, PLLC

Address Line 1: P.O. BOX 1213

Address Line 4: GREAT FALLS, VIRGINIA 22066

ATTORNEY DOCKET NUMBER:	PSI-126	
NAME OF SUBMITTER:	BRADLEY EDELMAN, REG. NO. 57648	
SIGNATURE:	/Bradley Edelman/	
DATE SIGNED:	08/14/2018	

Total Attachments: 4

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> PATENT REEL: 046791 FRAME: 0321

COMBINED DECLARATION (37 CFR $\S 1.63)$ FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title: INTEGRATED VECTOR MODULATOR

for which Assignor is about to make or has made United States or International application for patent. WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

sell, assign and transfer unto

This declaration is directed to:
☐ The attached U.S. non-provisional patent application, or
U.S. non-provisional patent application number, filed on, or
PCT international patent application number, filed on
The above-identified application was made or authorized to be made by me (us).
I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.
I (we) hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.
I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.
Section II. Assignment

Phase Sensitive Innovations, Inc. of 116 Sandy Dr. Suite A, Newark, DE 19713

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention described in the application identified in Section I of this document.

In consideration of promises and/or other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, the undersigned, who have made a certain new and useful invention(s), hereby

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world,

PATENT REEL: 046791 FRAME: 0322 including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Muir Patent Law, PLLC the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FIRST	MURAKOWSKI	Janusz	
INVENTOR/ASSIGNOR			
SIGNATURE		DATE	
		•	

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
SECOND	CREAZZO	Timothy	
INVENTOR/ASSIGNOR			
SIGNATURE	T=90	DATE	7/24/2018

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title: INTEGRATED VECTOR MODULATOR

for which Assignor is about to make or has made United States or International application for patent. WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

This decla	aration is directed to:		
į	The attached U.S. non-provisional patent application, or		
	U.S. non-provisional patent application number	, filed on	, or
ļ	PCT international patent application number	, filed on	•
The abov	re-identified application was made or authorized to be made by me ((us).	
	lieve that I am (we are) the original inventor (original joint inventors entified application.) of a claimed invention	in the
I (we) her U.S.C. 10	reby acknowledge that any willful false statement made in this declar 101 by fine or imprisonment of not more than five (5) years, or both	ration is punishable unde	± 18
I hereby s the claims	state that I have reviewed and understand the contents of the above s.	identified application, in	cluding
I acknow in 37 CFI	dedge that I am aware of the duty to disclose information which is n R \S 1.56.	naterial to patentability as	s defined

Section II. Assignment

In consideration of promises and/or other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, the undersigned, who have made a certain new and useful invention(s), hereby sell, assign and transfer unto

Phase Sensitive Innovations, Inc. of 116 Sandy Dr. Suite A, Newark, DE 19713

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world,

including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

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Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FIRST	MURAKOWSKI	Janusz	
INVENTOR/ASSIGNOR			
SIGNATURE	Holei_	DATE	Ja 424, 2018

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name CREAZZO	First Given Name Timothy	Second Given Name
SIGNATURE		DATE	