505758505 11/05/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5805319

SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				

CONVEYING PARTY DATA

Name	Execution Date		
KENNETH J BARNARD	12/20/2017		

RECEIVING PARTY DATA

Name:	Government of the United States as Represented by the Secretary of the Air Force						
Street Address:	2240 B. Street						
Internal Address:	Building 11, Area B						
City:	Wright-Patterson AFB						
State/Country:	OHIO						
Postal Code:	45433-7109						

PROPERTY NUMBERS Total: 1

Property Type	Number					
Patent Number:	10267684					

CORRESPONDENCE DATA

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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.

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Correspondent Name: PAMELA KUNS
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Address Line 2: BUILDING 11, AREA B

Address Line 4: WRIGHT-PATTERSON AFB, OHIO 45433-7109

ATTORNEY DOCKET NUMBER:	AFD 1661
NAME OF SUBMITTER:	JEFFREY R MOORE
SIGNATURE:	/Jeffrey R Moore/
DATE SIGNED:	11/05/2019

Total Attachments: 1

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PATENT 505758505 REEL: 050921 FRAME: 0636

ASSIGNMENT (Government Inventor)

	WHEREAS	i, I, Kennet	h J. Barn	ard, v	vhile emplo	yed b	y the (Sovernme	ent of the	United St	ates, m	ade or con	tributed
to an i	nvention	described	in inver	ntion	disclosure	AFD	1661	entitled	"DEVICE	, SYSTEM	, AND	TECHNIQ	JE FOR
CHARAC	TERIZING	A FOCAL F	LANE AR	RAY	MODULAT	ONT	RANSF	ER FUNC	riON", to	be filed as	an app	lication for	Letters
Patent c	of the Unit	ted States (Applicati	on Se	rial Numbe	er			filed), and I	hereby
authoriz	e and req	uest Air Fo	rce Paten	t Cou	nsel to inse	ert her	e in th	ie above j	parenthe	ses (Applic	ation Se	rial Numbi	er, filed)
the filing	g date and	l applicatio	n numbe	r of sa	aid applicat	ion w	hen kn	own; and					

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States as represented by the Secretary of the Air Force, under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, Kenneth J. Barnard:

HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States;

HEREBY AUTHORIZE AND REQUEST any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made;

HEREBY ALSO GRANT to the Government of the United States, as represented by the Secretary of the Air Force, the option to take the entire right, title and interest in the invention or all applications for Letters Patent thereon in all countries or jurisdictions foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant of an option to take foreign rights in the invention must be exercised by written notice to me within eight months of the first filing date of any application for United States Letters Patent covering the invention or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me, subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any country or jurisdiction foreign to the United States, including the power to issue sublicenses for use on behalf of the Government of the United States and/or in furtherance of the foreign policies of the United States of America: and

HEREBY AGREE to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.

Kenneth J. Barnard

SUBSCRIBED AND ACKNOWLEDGED before me by Kenneth J. Barnard this 20 day of 0eceptor 2017,

at the city of Fritzens in the County of Grazza and State of Ohio .

Joshua Norris Notary Public, State of Ohio My Commission Expires 08-11-2018

> **PATENT** REEL: 050921 FRAME: 0637

RECORDED: 11/05/2019