504576470 10/03/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4623181 Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GUY BEADIE	10/01/2017
RICHARD FLYNN	10/01/2017
JOSEPH MAIT	09/27/2017
PRADAG MILOJKOVIC	09/26/2017

RECEIVING PARTY DATA

Name:	THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE NAVY
Street Address:	825 N. RANDOLPH ST.
City:	ARLINGTON
State/Country:	VIRGINIA
Postal Code:	22203

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15723215

CORRESPONDENCE DATA

Fax Number: (202)404-7380

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: 202-404-1558

Email: patent.docketing@nrl.navy.mil

Correspondent Name: NAVAL RESEARCH LABORATORY ASSOCIATE COUN

Address Line 1: CODE 1008.2

Address Line 2: 4555 OVERLOOK AVENUE, S.W. Address Line 4: WASHINGTON, D.C. 20375-5320

ATTORNEY DOCKET NUMBER: 104507-US2

NAME OF SUBMITTER: JOSLYN BARRITT

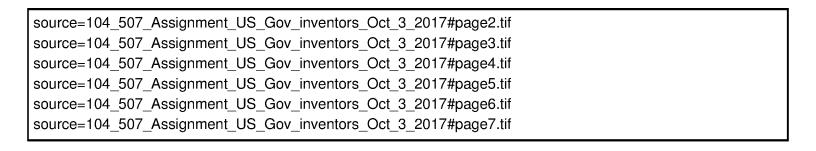
SIGNATURE: / Joslyn Barritt /

DATE SIGNED: 10/03/2017

Total Attachments: 7

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PATENT REEL: 043761 FRAME: 0378



PATENT REEL: 043761 FRAME: 0379 ASSIGNMENT BY INVENTORS (UNITED STATES PATENTS)

THIS ASSIGNMENT, made by Guy Beadie; Richard Flynn; Joseph Mait; and

Predrag Milojkovic (hereinafter referred to as Assignors), residing at 2758 Greenway Blvd, Falls

Church, Virginia 22042; 60 Marty Court, Newbury Park, California 91320; 4918 Redford Road,

Bethesda, Maryland 20816; and 9416 Balfour Drive, Bethesda, Maryland 20814, respectively;

WHEREAS, Assignors, while employed by the Government of the United States,

have invented certain new and useful improvements in Method for independent control of both

index and dispersion in gradient index optics, set forth in a Provisional application for Letters

Patent of the United States filed on October 14, 2016 as U.S. Provisional Patent Application No.

62/408,099, and in Independent Control of Both Index and Dispersion in Gradient Index

Optics, set forth in a Patent application for Letters Patent of the United States filed herewith; and

WHEREAS, The Government of the United States of America, as represented by the

Secretary of the Navy, a Federal Agency (hereinafter referred to as the Government), is desirous

of acquiring the entire right, title and interest in and to said inventions and said Application(s)

for Letters Patent of the United States, and in and to any Letters Patent of the United States to be

obtained therefor and thereon;

WHEREAS, by acquiring the Assignors' entire right, title, and interest in and to the

invention the Government will be enabled to license the invention and share the income from the

licensing with the Assignors as allowed by law;

WHEREAS, the conditions under which the invention was made are such as to entitle

the Government under Paragraph 1(a) of Executive Order 10096, to the Assignors' entire right,

title, and interest therein, including the foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an

option to exercise such rights;

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consideration, the receipt of which is hereby acknowledged, Assignors have assigned, transferred and set over, and by these presents do assign, transfer and set over, unto the Government, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application(s) for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application(s), and any and all Letters Patent in the United States which may be granted therefor and thereon, and reissues,

NOW, THEREFORE, in consideration of the premises and other good and sufficient

reexaminations and extensions of said Letters Patent, the same to be held and enjoyed by the

Government, for its own use and benefit and the use and benefit of its successors, legal

representatives and assigns, to the full end of the term or terms for which Letters Patent may be

granted and/or extended, as fully and entirely as the same would have been held and enjoyed by

Assignors, had this assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to the Government, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to the Government under law or that have already been transferred to the Government, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application(s) for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner

herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with the Government, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions in the U.S. or any foreign country, without charge to the Government, its successors, legal representatives and assigns, whenever counsel of the Government, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application(s) for Letters

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Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent

for said inventions including but not limited to interference proceedings, is lawful and desirable;

or, that any division, continuation or continuation-in-part of any application(s) for Letters Patent,

or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful

and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue

said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters

Patent to be issued thereon, for the sole use and benefit of the Government, its successors, legal

representatives and assigns.

AND the Assignors do hereby also grant unto the Government, the option to take the

Assignors' entire right, title, and interest in the invention and all patent applications or other

forms of protection thereon in all countries foreign to the United States in which the Government

may file, or cause to be filed, applications for Letters Patent or other forms of protection, without

payment of any consideration; provided, however, that this grant of an option to take foreign

rights in the invention, or applications or other forms of protection thereon, shall have force and

effect only as to such applications for which a decision to file in foreign countries is made within

eight months of the filing date of any application for United States Letters Patent and/or any

provisional application 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 Assignors subject to a nonexclusive, irrevocable, royalty-free license to the Government

in any patent or other form of protection which may issue on said invention in any foreign

country, including the power to issue sub-licenses for use in behalf of the Government and/or in

furtherance of the foreign policies of the Government.

AND the Assignors do hereby also grant unto the Government, the right to claim

priority to the application(s) identified above.

AND the Assignors hereby further agree to make, execute, and deliver to the

Government, any and all papers, documents, affidavits, statements, or other instruments that may

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may be necessary in the prosecution of the application(s) and of any continuation, division, or

substitution of the application(s), or any application(s) for reissue or extension of said Letters

Patent, and to assist the Government in every way in protecting the invention as may be

requested, provided that any expense arising through such efforts will be paid by the

Government.

AND Assignors hereby appoint all practitioners at Customer Number 26384, all of

US Naval Research Laboratory, 4555 Overlook Ave, SW, Code 1008.2, Washington, DC

20375, jointly, and each of them severally, our attorneys at law/patent agent(s), with full power

of substitution, delegation and revocation, to prosecute the above-mentioned application(s), to

make alterations and amendments therein, and to transact all business in the U.S. Patent and

Trademark Office connected therewith.

AND Assignors hereby grant the following individuals the power to insert on this

Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this

document:

US NAVAL RESEARCH LABORATORY

All practitioners at Customer Number 26384.

Date: 10/1/2017 Signature:

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substitution of the application(s), or any application(s) for reissue or extension of said Letters

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US NAVAL RESEARCH LABORATORY

All practitioners at Customer Number 26384.

Date:	Signature:
	Guy Beadie Assignor

Date: 10/1/2017 Signature: Richard Flynn, Assignat

Page 4 of 5

Date: <u>,27 Sep 2017</u>	Signature: Signature: Mulat Mait, Assignor
Date:	Signature: Predrag Milojkovic, Assignor
Date:	Signature: Kerry L. Broome
	Associate Counsel, IP Naval Research Laboratory; Authorized Representative for Assignee, The Government of the United States of America

Date:	Signature:
	Joseph Mait, Assignor
•	
Date: 9 (25) 2019	Signature: D. Mica
	Predrag Milojkovic, Assignor
. 1	α
Date: 10/2/17	Signature: X L Browne
	Kerry L. Broome
	Associate Counsel, IP
	Naval Research Laboratory;
	Authorized Representative for Assignee, The Government of the
	United States of America
	Cition builds of Filliotion

REEL: 043761 FRAME: 0386

RECORDED: 10/03/2017