

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6656808

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NICHOLAS C LANTZ	12/09/2019
JENNIFER M DOWNEY	12/13/2019
BRIAN E VYHNALEK	12/13/2019
RECEIVING PARTY DATA	
Name:	UNITED STATES GOVERNMENT ADMINISTRATOR OF NASA
Street Address:	300 E STREET, SW
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20546-0001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16662955
CORRESPONDENCE DATA	
Fax Number:	(216)433-6790
<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>	
Phone:	2164333663
Email:	Robert.Earp@nasa.gov, Shawanda.M.George@nasa.gov
Correspondent Name:	ROBERT H. EARP, III
Address Line 1:	21000 BROOKPARK ROAD
Address Line 2:	142-7
Address Line 4:	CLEVELAND, OHIO 44135
ATTORNEY DOCKET NUMBER:	LEW 19698-1
NAME OF SUBMITTER:	ROBERT H. EARP, III
SIGNATURE:	/Robert H. Earp, III/
DATE SIGNED:	04/14/2021
Total Attachments: 3	
source=GRC Info_Template_pto1595 LEW 19698-1#page1.tif	
source=GRC Info_Template_pto1595 LEW 19698-1#page2.tif	
source=GRC Info_Template_pto1595 LEW 19698-1#page3.tif	

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Nicholas C. Lantz, Jennifer M. Downey,
Brian E. Vyhalek

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 12/09/18, 12/13/18, 12/13/18

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: United States of America, as represented by the Administrator of NASA

Internal Address: _____

Street Address: E Street, SW

City: Washington

State: DC

Country: USA Zip: 20546-0001

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

16/662,955

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Robert H. Earp, III

Internal Address: MS 142-7

Street Address: 21000 Brookpark Road

City: Cleveland

State: OH Zip: 44135

Phone Number: (216) 433-3663

Docket Number: LEW 19698-1

Email Address: Robert.Earp@nasa.gov

6. Total number of applications and patents involved: _____

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- ☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized UserName _____

9. Signature: /Robert H. Earp, III/

04/14/2021

Signature

Date

Robert H. Earp, III

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 055920 FRAME: 0596



National
Aeronautics and
Space
Administration

Patent Application

Assignment to the Government (by Government Employee)

Title of Invention: Cascaded Offset Optical Modulator for Optical Communications

Inventor(s): Nicholas C. Lantz, Jennifer M. Nappier, Brian E. Vyhnalek

NASA Case No.: LEW 19698-1 Application No.: 16/662,955 Filing Date*: 10/24/2019

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

Nicholas Lantz 12/4/2019 12/4/2019
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)
Nicholas Lantz 21000 Brookpark Ave Cleveland OH 44133 USA
(Inventor's Typed Name) (Mailing Address - Including Country)

(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

(Inventor's Typed Name) (Mailing Address - Including Country)

(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

(Inventor's Typed Name) (Mailing Address - Including Country)

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PATENT
REEL: 055920 FRAME: 0597



National
Aeronautics and
Space
Administration

Patent Application

Assignment to the Government (by Government Employee)

Title of Invention: Cascaded Offset Optical Modulator for Optical Communications

Inventor(s): Nicholas C. Lantz, Jennifer N. Downey, Brian E. Vyhnalek

NASA Case No.: LEW 19698-1 Application No.: 16/662,955 Filing Date*: 10/24/2019

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1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

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3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

<u>Jennifer N. Downey</u> (Signature of Inventor)	<u>12/13/2019</u> (Date Assignment Executed)	<u>10/24/2019</u> (Date Application Executed)
<u>Jennifer N. Downey</u> (Inventor's Typed Name)	<u>22901 Lake Rd Bx Village, OH 44146 USA</u> (Mailing Address - Including Country)	
<u>Brian E. Vyhnalek</u> (Signature of Inventor)	<u>12/13/2019</u> (Date Assignment Executed)	<u>10/24/2019</u> (Date Application Executed)
<u>BRIAN E. VYHNALEK</u> (Inventor's Typed Name)	<u>4431 DOWNSHIRE DR PARMA, OH 44134 USA</u> (Mailing Address - Including Country)	
_____ (Signature of Inventor)	_____ (Date Assignment Executed)	_____ (Date Application Executed)
_____ (Inventor's Typed Name)	_____ (Mailing Address - Including Country)	