

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5412620

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	DOUGLAS ALEXANDER ROBL	03/06/2019
	BRANDON ROBERT DAVIS	08/10/2018
	JOSEPH B. ZUBAH JR.	04/12/2018
	MARK DICKMANN	04/12/2018
	DONALD LAFRANCE	04/12/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	LOCKHEED MARTIN CORPORATION	
<b>Street Address:</b>	6801 ROCKLEDGE DRIVE	
<b>City:</b>	BETHESDA	
<b>State/Country:</b>	MARYLAND	
<b>Postal Code:</b>	20817	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15858591	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(215)542-5825	
<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>		
<b>Email:</b>	patents@phd-ip.com	
<b>Correspondent Name:</b>	HOWARD IP LAW GROUP	
<b>Address Line 1:</b>	P.O. BOX 226	
<b>Address Line 4:</b>	FORT WASHINGTON, PENNSYLVANIA 19034	
<b>ATTORNEY DOCKET NUMBER:</b>	GE-08113-US	
<b>NAME OF SUBMITTER:</b>	EDWARD J. HOWARD	
<b>SIGNATURE:</b>	/Edward J. Howard/	
<b>DATE SIGNED:</b>	03/08/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>		
source=GE-08113-US Combined Declaration-Assignment 00241748#page1.tif		

source=GE-08113-US Combined Declaration-Assignment 00241748#page2.tif

source=GE-08113-US Combined Declaration-Assignment 00241748#page3.tif

source=GE-08113-US Combined Declaration-Assignment 00241748#page4.tif

**PATENT**

**REEL: 048549 FRAME: 0298**

### COMBINED INVENTOR DECLARATION/ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Lockheed Martin Corporation, a Maryland Corporation, having a place of business at 6801 Rockledge Drive, Bethesda, Maryland 20817 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in and to all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following non-provisional application(s) filed under 35 U.S.C. § 111(a) or provisional application(s) filed under 35 U.S.C. § 111(b) or international application(s) filed according to the Patent Cooperation Treaty (PCT) (collectively "APPLICATIONS"):

Title	Application No.	Application Date	Docket
CLOCK GENERATOR	15/858,591	December 29, 2017	GE-08113-US

2. The entire worldwide right, title, and interest in and to:

- (a) the APPLICATION;
- (b) all applications claiming priority from the APPLICATION;
- (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world;
- (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and
- (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.


By signing below, INVENTOR further attests to the following:

The APPLICATION was made or authorized to be made by INVENTOR.  
INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

INVENTOR

Douglas Alexander Robl



Date of Signature

03-06-2019

Brandon Robert Davis

Date of Signature

Joseph B. Zubah, Jr.

Date of Signature

Mark Dickmann

Date of Signature

Donald Lafrance

Date of Signature

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

INVENTOR

Douglas Alexander Robl

Date of Signature

Brandon Robert Davis

Date of Signature

*Brandon Davis*

8/10/2018

Joseph B. Zubah, Jr.

Date of Signature

Mark Dickmann

Date of Signature

Donald Lafrance

Date of Signature

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

INVENTOR

Douglas Alexander Robl

Date of Signature

\_\_\_\_\_

\_\_\_\_\_

Brandon Robert Davis

Date of Signature

\_\_\_\_\_

\_\_\_\_\_

Joseph B. Zubah, Jr.

Date of Signature

Joseph Zubah Jr.

4/12/2018

Mark Dickmann

Date of Signature

Mark Dickmann

4/12/2018

Donald Lafrance

Date of Signature

Donald Lafrance

4/12/18