

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6700717

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL JANKOWSKI	11/19/2014
ANTHONY OPPERMAN	11/19/2014
GERARD SKEBE	11/19/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ORBITAL RESEARCH INC.
<b>Street Address:</b>	4415 EUCLID AVE., SUITE 500
<b>City:</b>	CLEVELAND
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44103
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16398497
<b>Patent Number:</b>	9677864
<b>Patent Number:</b>	10317181
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)649-0347
<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>Phone:</b>	2166490376
<b>Email:</b>	kolkowski@orbitalresearch.com
<b>Correspondent Name:</b>	BRIAN KOLKOWSKI
<b>Address Line 1:</b>	4415 EUCLID AVE., SUITE 500
<b>Address Line 4:</b>	CLEVELAND, OHIO 44103
<b>NAME OF SUBMITTER:</b>	MARK PENNINGTON
<b>SIGNATURE:</b>	/Mark Pennington/
<b>DATE SIGNED:</b>	05/10/2021
<b>Total Attachments: 4</b>	
source=ORB-153_19Nov2014_parent-assignment-w-CS#page1.tif	
source=ORB-153_19Nov2014_parent-assignment-w-CS#page2.tif	
source=ORB-153_19Nov2014_parent-assignment-w-CS#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)**

Michael Jankowski, Anthony Opperman,  
Gerard Skebe

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

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

Execution Date(s) 11/19/2014

- ☒ 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: Orbital Research Inc.

Internal Address: \_\_\_\_\_

Street Address: 4415 Euclid Ave., Suite 500

City: Cleveland

State: OH

Country: US Zip: 44103

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)

16/398,497

9,677,864; 10,317,181

Additional numbers attached? ☐ Yes ☒ No

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

Name: Brian Kolkowski

Internal Address: \_\_\_\_\_

Street Address: 4415 Euclid Ave., Suite 500

City: Cleveland

State: OH Zip: 44103

Phone Number: (216) 649-0376

Docket Number: ORB-120, ORB-140, ORB-153

Email Address: kolkowski@orbitalresearch.com

**6. Total number of applications and patents involved:** 3

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 0.00

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

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:** /Brian Kolkowski/

5/10/2021

Signature

Date

Brian Kolkowski

Name of Person Signing

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

**4**

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: 056187 FRAME: 0012**

**Assignment of Rights, Title and Interest in Invention**  
(Multiple inventors; single assignee)

Docket No.  
ORB-120

*This is an Assignment of the following rights, title and interest: (check all that apply):*

- ☒ *United States of America rights, title and interest in the invention*
- ☒ *Foreign rights, title and interest in the invention*
- ☐ *United States Patent Application Serial No.* \_\_\_\_\_  
*Date of Execution:* \_\_\_\_\_ *Date of Filing:* \_\_\_\_\_
- ☐ *United States Provisional Patent Application Serial No.* \_\_\_\_\_
- ☐ *United States Patent No(s).* \_\_\_\_\_
- ☐ *International (PCT) Patent Application Serial No.* \_\_\_\_\_
- ☐ *Other (specify)* \_\_\_\_\_

*Title of the Invention*

Closed, self-contained ballistic apogee detection module and method

*Inventors (assignors)*

<i>Name</i>	<i>Address</i>
Michael Jankowski	39116 Princeton Circle Avon, OH 44011
Anthony Opperman	1001 Huron Rd. East Cleveland, OH 44105
Gerard Skebe	415 Riverdale Dr. Eastlake, OH 44095

*Assignee*

<i>Name</i>	<i>Address</i>
Orbital Research Inc.	4415 Euclid Ave. Ste. 500 Cleveland OH 44103

Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; single assignee)

Docket No.  
ORB-120

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

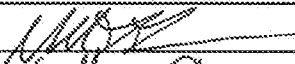


Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Michael Jankowski	 11/19/2014
Anthony Opperman	 11/19/14
Gerard Skebe	 11-19-14

Assignment of Rights, Title and Interest in Invention  
(Multiple inventors; single assignee)

Docket No.  
ORB-120

Notarization

(Although notarization is not necessary, it will be considered prima facie evidence of execution pursuant to 35 U.S.C. 261.)

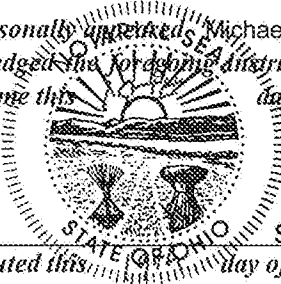
Executed this 19<sup>th</sup> day of November, in the year 2014

at

State of OH

County of Cuyahoga

Before me personally appeared Michael Jankowski who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 19<sup>th</sup> day of November, in the year 2014



MARK PENNINGTON  
ATTORNEY AT LAW  
NOTARY PUBLIC  
STATE OF OHIO  
My Comm. Has No  
Expiration Date  
Section 147.03 R.C.

(Signature of Inventor)

(Notary Public)

Executed this 19<sup>th</sup> day of November, in the year 2014

at

State of OH

County of Cuyahoga

Before me personally appeared Anthony Opperman who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 19<sup>th</sup> day of November, in the year 2014



MARK PENNINGTON  
ATTORNEY AT LAW  
NOTARY PUBLIC  
STATE OF OHIO  
My Comm. Has No  
Expiration Date  
Section 147.03 R.C.

(Signature of Inventor)

(Notary Public)

Executed this 19<sup>th</sup> day of November, in the year 2014

at

State of OH

County of Cuyahoga

Before me personally appeared Gerard Skebe who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 19<sup>th</sup> day of November, in the year 2014



MARK PENNINGTON  
ATTORNEY AT LAW  
NOTARY PUBLIC  
STATE OF OHIO  
My Comm. Has No  
Expiration Date  
Section 147.03 R.C.

(Signature of Inventor)

(Notary Public)