

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5485456

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID DASHEVSKY	04/06/2012
MATTHEW BIRCH	04/06/2012
AARON T. ROOD	04/06/2012
FREDERICK J. LISY	04/06/2012
RECEIVING PARTY DATA	
Name:	ORBITAL RESEARCH INC.
Street Address:	4415 EUCLID AVE., SUITE 500
City:	CLEVELAND
State/Country:	OHIO
Postal Code:	44103
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16379173
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	2166490376
Email:	kolkowski@orbitalresearch.com
Correspondent Name:	BRIAN KOLKOWSKI
Address Line 1:	4415 EUCLID AVE. STE. 500
Address Line 4:	CLEVELAND, OHIO 44103
ATTORNEY DOCKET NUMBER:	ORB-152
NAME OF SUBMITTER:	MARK PENNINGTON
SIGNATURE:	/Mark Pennington/
DATE SIGNED:	04/22/2019
Total Attachments: 5	
source=ORB-152_2019-04-22_parent-assignment#page1.tif	
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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)

David Dashevsky, Matthew Birch,
Aaron T. Rood, Frederick J. Lisy

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

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

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

Execution Date(s) 4/6/2012

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

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)

16/379,173

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-152

Email Address: kolkowski@orbitalresearch.com

6. Total number of applications and patents involved: 1

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

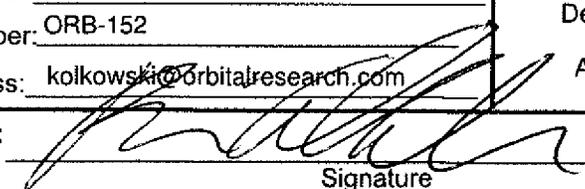
- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment information

Deposit Account Number _____

Authorized User Name _____

9. Signature:



Signature

4/22/2019

Date

Brian Kolkowski

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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

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

Docket No.
ORB-077

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;

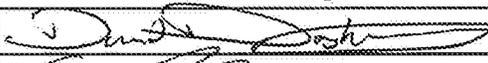
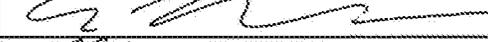
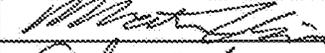
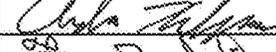
Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

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
David D. Dashevsky	 04/06/2012
Aaron T. Rood	 4/6/12
Matthew C. Birch	 04/06/12
Andrew Kobyljanec	 4/6/12
Frederick J. Lisy	 4/6/2012

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

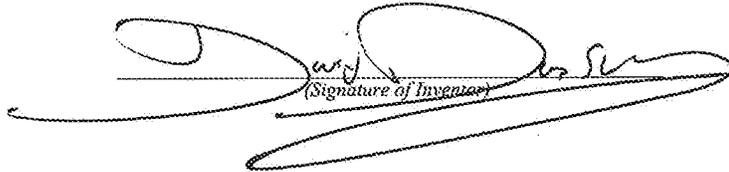
Docket No.
ORB-077

Notarization

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

Executed this 6th day of April, in the year 2012

at


(Signature of Inventor)

State of OH

County of Cuyahoga

Before me personally appeared David D. Dashevsky
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 6th day of April, in the year 2012

BRIAN M. KOLKOWSKI, ATTORNEY
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE


(Notary Public)

Executed this 6th day of April, in the year 2012

at

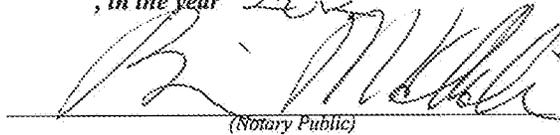

(Signature of Inventor)

State of OH

County of Cuyahoga

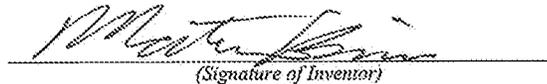
Before me personally appeared Aaron T. Flood
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this 6th day of April, in the year 2012

BRIAN M. KOLKOWSKI, ATTORNEY
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE


(Notary Public)

Executed this 6 day of 2012 MB, in the year 2012
APRIL

at


(Signature of Inventor)

State of OH

County of Cuyahoga

Before me personally appeared Matthew C. Birch
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 6th day of April, in the year 2012

BRIAN M. KOLKOWSKI, ATTORNEY
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE


(Notary Public)

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

Docket No.
ORB-077

Notarization

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

Executed this 6th day of April, in the year 2012

at



(Signature of Inventor)

State of OH

County of Cuyahoga

Before me personally appeared Andrew Kobyljanec

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 6th day of April, in the year 2012

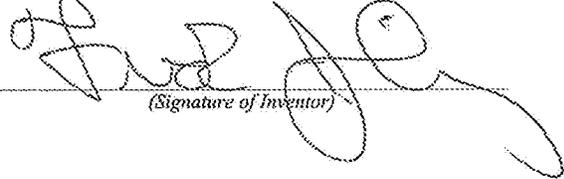
BRIAN M. KOLKOWSKI, ATTORNEY
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE



(Notary Public)

Executed this 6th day of April, in the year 2012

at



(Signature of Inventor)

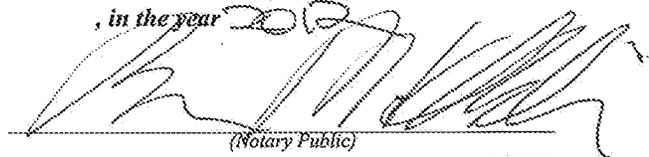
State of OH

County of Cuyahoga

Before me personally appeared Frederick J. Lisz

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 6th day of April, in the year 2012

BRIAN M. KOLKOWSKI, ATTORNEY
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE



(Notary Public)

Executed this _____ day of _____, in the year _____

at

(Signature of Inventor)

State of _____

County of _____

Before me personally appeared _____

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 _____ day of _____, in the year _____

(Notary Public)