

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5873814

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZAK SOWLE	11/19/2010
SRIKANTH VASUDEVAN	11/19/2010
MATTHEW C BIRCH	11/19/2010
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:	16718420
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>	
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Correspondent Name:	BRIAN KOLKOWSKI
Address Line 1:	4415 EUCLID AVENUE, SUITE 500
Address Line 4:	CLEVELAND, OHIO 44103
ATTORNEY DOCKET NUMBER:	ORB-161
NAME OF SUBMITTER:	MARK PENNINGTON
SIGNATURE:	/Mark Pennington/
DATE SIGNED:	12/18/2019
Total Attachments: 4	
source=ORB-161_2010-11-19_parent-Assignment-w-CS#page1.tif	
source=ORB-161_2010-11-19_parent-Assignment-w-CS#page2.tif	
source=ORB-161_2010-11-19_parent-Assignment-w-CS#page3.tif	
source=ORB-161_2010-11-19_parent-Assignment-w-CS#page4.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)

Zak Sowle, Srikanth Vasudevan,
Matthew C. Birch

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

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

Execution Date(s) 11/19/2010

- 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)

16/718,420

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-161

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: /Brian Kolkowski 36,847/

12/18/2019

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: 051316 FRAME: 0158

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

Docket No.
ORB-080

Notarization

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

Executed this 19th day of November, in the year 2010

at


(Signature of Inventor)

State of Ohio

County of Cuyahoga

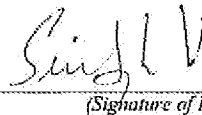
Before me personally appeared Zak Sowle
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this 19 day of Nov, in the year 2010

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


(Notary Public)

Executed this 19th day of November, in the year 2010

at


(Signature of Inventor)

State of Ohio

County of Cuyahoga

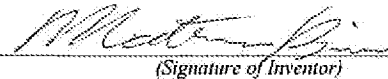
Before me personally appeared Srikanth Vasudevan
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to
execute the same this 19 day of Nov, in the year 2010

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


(Notary Public)

Executed this 19th day of NOVEMBER, in the year 2010

at


(Signature of Inventor)

State of Ohio

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 19 day of Nov, in the year 2010

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


(Notary Public)