#### 505133110 10/09/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ADAM C. SCOFIELD	10/03/2018
THOMAS JUSTIN SHAW	10/03/2018
GEORGE C. VALLEY	10/03/2018

## **RECEIVING PARTY DATA**

Name:	THE AEROSPACE CORPORATION		
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City:	EL SEGUNDO		
State/Country:	CALIFORNIA		
Postal Code:	90245		

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16154584

## CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	12709-074-999
NAME OF SUBMITTER:	CARRIE J. HINES
SIGNATURE:	/Carrie J. Hines/
DATE SIGNED:	10/09/2018

#### **Total Attachments: 4**

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#### ASSIGNMENT

WHEREAS, WE, Adam C. Scofield, citizen of the United States, having a mailing address of 5511 S. Verdun Avenue, Los Angeles, CA 90043 residing at Los Angeles, CA, Thomas Justin Shaw, citizen of the United States, having a mailing address of 12334 Coleraine Court, Reston, VA 20191 residing at Reston, VA and George C. Valley, citizen of the United States, having a mailing address of 2827 Wigtown Road, Los Angeles, CA 90064 residing at Los Angeles, CA, ASSIGNORS, are the inventors of the invention in RESERVOIR COMPUTING OPERATIONS USING MULTI-MODE PHOTONIC INTEGRATED CIRCUITS for which an application for a Patent of the United States has been filed.

- which is identified by Jones Day docket no. 12709-074-999 (CAM: 467972-999074)
- We hereby authorize and request attorney(s) Carl A. Kukkonen, III at Jones Day, to insert here in parentheses (Application number 16/154,584, filed October 8, 2018) the filing date and application number of said application when known.

and WHEREAS. The Aerospace Corporation, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 2310 E. El Segundo Boulevard, El Segundo, CA 90245, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 10/3/8018	, 2018		and the second	L.S.
	Adam	C. Scoffeld	aliana and a said a	
CALIFORNIA ALL-PU	RPOSE ACKNOWLEDGME	NT		
A notary public or other of document to which this ca	ficer completing this certificate ve rtificate is attached, and not the to	rifles only the ide uthfulness, accu	intity of the indi	vidual who signed the of that document.
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I certify under PENALTY and correct.	OF PERJURY under the laws of	f the State of Ca	ılifomia that th	e foregoing paragraph is true
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Signature <u>Carl Cr</u>	n Willedood	(Seal)		Commission # 2103881  Notary Public - California  Loa Angeles County  My Comm. Expires Apr 16, 2019
Date	,2018		***************************************	L.S.
	Thoma	s Justin Shaw		
WITNESS:		Date:		

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Date	,2018	_L.S.
	Adam C. Scofield	
CALIFORNIA ALL-PURPOSE A	CKNOWLEDGMENT	
	sleting this certificate verifies only the identity of the individual who signed the attached, and not the truthfulness, accuracy, or validity of that document.	
STATE OF )		
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Agam C. Scotterd, personally know is/are subscribed to the within instru- authorized capacity(ies), and that by of which the person(s) acted, execute I certify under PENALTY OF PERJ and correct.	URY under the laws of the State of California that the foregoing paragraph	iame(s) er/their i behalf
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authorized capacit	before me, personally known to me on the within instrument and y(les), and that by his/her/then(s) acted, executed the instruction.	acknowiedged to m eir signature(s) on ti	e that he/she/t	hey executed the same in	his/her/their
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WITNESS my har Signature	nd and official seal LOMBAL	<u> </u>	Scal)	CAROLE ANN MU Commission # 2 Hotsry Public - C Los Angeles C My Comm. Embres &	1103881 <b>3</b>
ACCEPTED AND	AGREED TO BY ASSIGN		=	: :0/3/2018	
Printed Name:	Domenic C. Rigoglioso		•		
rest	Associate General Coun	sel			

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**RECORDED: 10/09/2018**