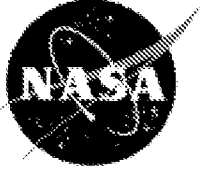


PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7935875

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NORTH CAROLINA STATE UNIVERSITY	04/01/2022
RECEIVING PARTY DATA	
Name:	UNITED STATES OF AMERICA AS REPRESENTED BY THE ADMINISTRATOR OF NASA
Street Address:	300 E. STREET, S.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20546
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15710211
CORRESPONDENCE DATA	
Fax Number:	(757)864-9190
<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:	(757) 864-5821
Email:	yvette.d.mardis@nasa.gov
Correspondent Name:	NASA LANGLEY RESEARCH CENTER
Address Line 1:	OFFICE OF THE GENERAL COUNSEL - LANGLEY
Address Line 4:	HAMPTON, VIRGINIA 23681-2199
ATTORNEY DOCKET NUMBER:	LAR-18973-1
NAME OF SUBMITTER:	YVETTE D. MARDIS
SIGNATURE:	/Yvette D. Mardis/
DATE SIGNED:	05/04/2023
Total Attachments: 3	
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source=FINALAssignmentefiled#page3.tif	



National Aeronautics and
Space Administration

Patent Application

ASSIGNMENT TO THE U.S. GOVERNMENT

(Small Business or Nonprofit Organization)

Title of Invention: **Automated Wave Guide System for In-Process Monitoring of Carbon Fiber Reinforced Polymer (CFRP) Composite Laminates**

NASA Case No.: **LAR-18973-1**

Serial No. and Filing Date: 15/710,211 / September 20, 2017

Contractor: **North Carolina State University**

Contract Number: **NNL09AA00A**

WHEREAS, the above identified Contractor has elected not to retain title, or hereby elects not to retain title, under the provisions of 35 U.S.C. 202 to the above identified Invention made in the performance of work under the above identified Contract between the Contractor and the Government of the United States of America (the Government).

WHEREAS, the Government as represented by the Administrator of the National Aeronautics and Space Administration (NASA), is desirous of acquiring title to the above identified Invention and other rights and benefits herein granted.

NOW THEREFORE, the undersigned inventor(s) have assigned or hereby assign to the Contractor his/her entire right, title, and interest throughout the world in and to the Invention as disclosed in the above identified U.S. patent application and patent applications continuing therefrom and such Letters Patent as may issue therefrom. Subsequently, the Contractor hereby assigns to the Government, as represented by the Administrator of NASA, its entire right, title, and interest throughout the world in and to the Invention as disclosed in the above identified U.S. patent application and patent applications continuing therefrom and such Letters Patent as may issue therefrom, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the Contract.

The undersigned inventor(s) and the Contractor agree to provide to the Government any known relevant information, including prior art, that is material to the patentability of the Invention. Upon request, the undersigned inventor(s) and the Contractor agree to make, execute, and/or deliver to the Government any oaths, declarations, and assignments, and, at the expense of the Government, any and all data, drawings, notes, reports, information, papers, documents, affidavits, statements or other items necessary in the preparation and prosecution of the above identified patent application and of any applications continuing therefrom or applications for reissue or reexamination of said Letters Patent, or of any foreign patent or patent application, or any application continuing therefrom, and to assist the Government in every way in protecting the Invention as may be requested, provided that any expense arising through such assistance to protect the Invention will be paid by the Government.

The undersigned inventor(s) and Contractor hereby covenant that they have the right to grant the foregoing assignment.

patent application, or any application continuing therefrom, and to assist the Government in every way in protecting the Invention as may be requested, provided that any expense arising through such assistance to protect the Invention will be paid by the Government.

The undersigned inventor(s) and Contractor hereby covenant that they have the right to grant the foregoing assignment.

For the Contractor Inventor(s):

Name: **Tyler B. Hudson**

I have not previously assigned any of my rights in the Invention, and I hereby agree as stated above.

Signature: 

Date: 9/22/2018

- or -

Attached hereto is an assignment of my entire rights in the Invention to the Contractor, signed on or before the date this Assignment to the U.S. Government is executed by the Contractor below. As stated above, I agree to assist the Government with patenting and protecting the Invention.

Signature: _____

Date: _____

Name: **Fuh-Gwo Yuan**

I have not previously assigned any of my rights in the Invention, and I hereby agree as stated above.

Signature: _____

Date: _____

- or -

Attached hereto is an assignment of my entire rights in the Invention to the Contractor, signed on or before the date this Assignment to the U.S. Government is executed by the Contractor below. As stated above, I agree to assist the Government with patenting and protecting the Invention.

Signature: _____

Date: _____

For the Contractor:

On behalf of the Contractor, I hereby agree as stated above. (Signed and dated on or after the latest date executed by the above-identified inventor(s).)

Name: _____

Title: _____

Signature: _____

Date: _____

For the Inventor(s):

Inventor 1 Name: [Tyler B. Hudson]

I have not previously assigned any of my rights in the Invention, and I hereby agree as stated above.

Signature: _____ Date: _____

- or -

Attached hereto is an assignment of my entire rights in the Invention to the Contractor, signed on or before the date this Assignment to the U.S. Government is executed by the Contractor below. As stated above, I agree to assist the Government with patenting and protecting the Invention.

Signature: _____ Date: _____

Inventor 2 Name: [Fuh-Gwo Yuan]

I have not previously assigned any of my rights in the Invention, and I hereby agree as stated above.

Signature: Fuh-Gwo Yuan Date: 3/28/2022

- or -

Attached hereto is an assignment of my entire rights in the Invention to the Contractor, signed on or before the date this Assignment to the U.S. Government is executed by the Contractor below. As stated above, I agree to assist the Government with patenting and protecting the Invention.

Signature: _____ Date: _____

For the Contractor:

On behalf of the Contractor, I hereby agree as stated above. (Signed and dated on or after the latest date executed by the above-identified inventor(s).)

Name: Kultaran Chohan, PhD LLM

Title: Executive Director

Signature: 

Date: April 1, 2022