

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4375623

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT		
<b>CONVEYING PARTY DATA</b>			
	<b>Name</b>	<b>Execution Date</b>	
	MS. HAIQUAN GUO	04/13/2017	
	MS. FRANCES I. HURWITZ	04/13/2017	
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	US GOVT ADMINISTRATOR OF NASA		
<b>Street Address:</b>	300 E STREET, SW		
<b>City:</b>	WASHINGTON		
<b>State/Country:</b>	D.C.		
<b>Postal Code:</b>	20546-0001		
<b>PROPERTY NUMBERS Total: 1</b>			
	<b>Property Type</b>	<b>Number</b>	
	<b>Application Number:</b>	15491168	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(216)433-6790		
<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>	216-433-3663		
<b>Email:</b>	robert.earp@nasa.gov		
<b>Correspondent Name:</b>	NASA GLENN RESEARCH CENTER ROBERT H. EARP, III		
<b>Address Line 1:</b>	21000 BROOKPARK ROAD		
<b>Address Line 2:</b>	MAIL STOP 142-7		
<b>Address Line 4:</b>	CLEVELAND, OHIO 44135		
<b>ATTORNEY DOCKET NUMBER:</b>	LEW 19098-3		
<b>NAME OF SUBMITTER:</b>	ROBERT H. EARP, III		
<b>SIGNATURE:</b>	/Robert H. Earp, III/		
<b>DATE SIGNED:</b>	04/19/2017		
<b>Total Attachments: 6</b>			
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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)**

Haiquan Guo

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

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

Execution Date(s) \_\_\_\_\_

- ☒ 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: United States Government Administrator of National Aeronautics and Space Administration

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

Street Address: 300 E Street, SW

City: Washington

State: DC

Country: USA Zip: 20546-0001

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)

15/491,168

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert H. Earp, III

Internal Address: MS 142-7

Street Address: 21000 Brookpark Road

City: Cleveland

State: OH Zip: 44135

Phone Number: (216) 433-3663

Docket Number: LEW 19098-3

Email Address: Robert.Earp@nasa.gov

**6. Total number of applications and patents involved:** \_\_\_\_\_

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

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

**8. Payment Information**

Deposit Account Number 14-0116

Authorized User Name Robert H. Earp, III

**9. Signature: /Robert H. Earp, III/**

April 19, 2017

Signature

Date

Robert H. Earp, III

Name of Person Signing

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

1

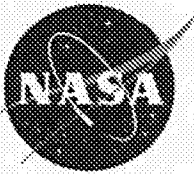
Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

**Continuation of the information for item one  
Name of conveying parties**

**Additional names of conveying parties:**

**Frances I. Hurwitz**



National Aeronautics and  
Space Administration

Patent Application  
NASA Case No. LEW 19098-~~33~~3

## ASSIGNMENT and AGREEMENT

WHEREAS, the The Contractor, Ohio Aerospace Institute (The CONTRACTOR/GRANTEE) a corporation, and existing under the laws of the State of Ohio, and having its principal place of business at 22800 Cedar Point Road, Brook Park, OH 44142,

The said CONTRACTOR/GRANTEE having elected NOT to retain the title under the provisions of 35 U.S.C. §202 to a Subject Invention made in the performance of work under a contract/grant between the CONTRACTOR/GRANTEE and the Government of the United States of America (the Government), the Subject Invention being identified as:

TITLE: HIGH TEMPERATURE, HYDROPHOBIC, FLEXIBLE AEROGEL COMPOSITE AND METHOD OF MAKING SAME

### INVENTORS:

1. Haiquan Guo Employer Ohio Aerospace Institute
2. Frances I. Hurwitz Employer NASA

This assignment is applicable to INVENTORS, (check appropriate)

X (1), \_\_\_\_\_ (2)

The said CONTRACTOR/GRANTEE being at: X small business, \_\_\_\_\_ college or university,  
\_\_\_\_\_ other nonprofit organization;

CONTRACT/GRANT NO. PROJECT

CONTRACTOR/GRANTEE CASE NO. LEW 19098-~~33~~5

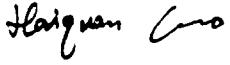
NASA CASE NO. LEW 19098-~~33~~5 APPLICATION EXECUTED 04/14/2017

The undersigned inventor(s) in recognition of an obligation as employee(s) of the CONTRACTOR/GRANTEE to assign this invention to the CONTRACTOR/GRANTEE, and pursuant to the OBLIGATIONS OF THE CONTRACTOR/GRANTEE to the Government under the above CONTRACT/GRANT, hereby assign(s) to the Government of the United States of America as represented by the Administrator of the National Aeronautics and Space Administration (NASA), the full and exclusive right in and to the said Subject Invention within the United States of America, its territories and possessions, and the entire right, title, and interest in and to said patent application, and any applications continuing therefrom and such Letters Patent as may issue therefrom.

The inventor(s) hereby covenant(s) that he/she (they) has (have) the right to grant the foregoing assignment and further agree(s) to the provisions stated below which are applicable to the inventor(s).

Further, the inventor(s) hereby assign(s) to the Government, the foreign rights in and to the said invention including rights of priority under the International Convention of Paris (1883), as amended.

04/13/2017  
Date

1.   
(Signature)

Haiquan Guo

\_\_\_\_\_  
Date

2. \_\_\_\_\_  
(Signature)

The inventor(s) and the CONTRACTOR/GRANTEE further agree to make, execute, and/or deliver to the Government, upon request, but at the expense of the Government, any and all data, drawings, notes, reports, information, papers, documents, affidavits, statements or other items necessary in the prosecution of said 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 said invention as may be requested, provided that any expense arising through such assistance will be paid by the Government.

The CONTRACTOR/GRANTEE, having elected not to retain title under the provisions of 35 U.S.C. §202 to the Subject Invention made in the performance of work under the agreement between the CONTRACTOR/GRANTEE and NASA, hereby joins in and agrees to the foregoing assignment.

Further, the CONTRACTOR/GRANTEE except for the reservation of a license as described below, relinquishes and likewise assigns all right, title, and interest in and to such invention and patent application to the Government of the United States of America as represented by the Administrator of NASA.

The CONTRACTOR/GRANTEE hereby covenants that it has the right to make the foregoing assignment.

#### **LICENSE TO THE CONTRACTOR/GRANTEE**

(1) The CONTRACTOR/GRANTEE shall retain a nonexclusive, royalty-free license throughout the world in the Subject Invention to which the Government obtains title. The CONTRACTOR/GRANTEE's license extends to its domestic subsidiaries and affiliates, if any, within the corporate structure of which the CONTRACTOR/GRANTEE is a part and includes the right to grant sublicenses of the same scope to the extent the CONTRACTOR/GRANTEE was legally obligated to do so at the time the contract/grant was awarded. The license is transferable only with the approval of the National Aeronautics and Space Administration except when transferred to the successor of that part of the CONTRACTOR/GRANTEE's business to which the inventor pertains.

(2) The CONTRACTOR/GRANTEE's domestic license may be revoked or modified by the National Aeronautics and Space Administration to the extent necessary to achieve the expeditious practical application of the Subject Invention pursuant to an application for an exclusive license submitted in accordance with applicable provisions in the Federal Property Management Regulations and the NASA Licensing Regulations. This license shall not be revoked in that field of use or the geographical areas in which the CONTRACTOR/GRANTEE has achieved practical application and continues to make the benefits of the invention reasonably accessible to the public. The license in any foreign country may be revoked or modified at the discretion of the National Aeronautics and Space Administration to the extent the CONTRACTOR/GRANTEE, its licensees, or its domestic subsidiaries or affiliates have failed to achieve practical application in that foreign country.

(3) Before revocation or modification of the license, the National Aeronautics and Space Administration will furnish the CONTRACTOR/GRANTEE a written notice of its intention to revoke or modify the license, and the CONTRACTOR/GRANTEE shall be allowed thirty days (or such other time as may be authorized by the National Aeronautics and Space Administration for good cause shown by the CONTRACTOR/GRANTEE) after the notice to show cause why the license should not be revoked or modified. The CONTRACTOR/GRANTEE has the right to appeal, in accordance with applicable NASA Licensing Regulations and the Federal Property Management

Regulations concerning the licensing of Government-owned inventions, any decision concerning the revocation or modification of its license.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

SIGNED: Haiguan Guo \_\_\_\_\_ TITLE: Senior Scientist  
(Signature) (Typed or Printed)

NAME: Haiguan Guo Ohio Aerospace Institute  
(Typed or Printed) Contractor or Grantee



National  
Aeronautics and  
Space  
Administration

Patent Application

## Assignment to the Government (by Government Employee)

Title of Invention: HIGH TEMPERATURE, HYDROPHOBIC, FLEXIBLE AEROGEL  
COMPOSITE AND METHOD OF MAKING SAME

Inventor(s): Haiquan Guo, Frances I. Hurwitz

NASA Case No.: LEW 19098-03

Application No.: 15/491,168

Filing Date: 4/19/2017

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

\*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

Frances I. Hurwitz  
(Signature of Inventor)

April 13, 2017  
(Date Assignment Executed)

4/19/2017  
(Date Application Executed)

Frances I. Hurwitz  
(Inventor's Typed Name)

3157 Montgomery Road, Shaker Heights, OH 44122 USA  
(Mailing Address - Including Country)

\_\_\_\_\_  
(Signature of Inventor)

\_\_\_\_\_  
(Date Assignment Executed)

\_\_\_\_\_  
(Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name)

\_\_\_\_\_  
(Mailing Address - Including Country)

\_\_\_\_\_  
(Signature of Inventor)

\_\_\_\_\_  
(Date Assignment Executed)

\_\_\_\_\_  
(Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name)

\_\_\_\_\_  
(Mailing Address - Including Country)

NASA FORM 430 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

PATENT

RECORDED: 04/19/2017

REEL: 042067 FRAME: 0976