

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4612382

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MR. OTHMANE BENAFAN	09/26/2017
MS. EUNICE E. ARVIZU	09/26/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNITED STATES OF AMERICA GOVERNMENT 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>
Application Number:	15715687
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	LEW 19346-1
<b>NAME OF SUBMITTER:</b>	ROBERT H. EARP, III
<b>SIGNATURE:</b>	/Robert H. Earp, III/
<b>DATE SIGNED:</b>	09/26/2017
<b>Total Attachments: 3</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)**

Othmane Benafan

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

**2. Name and address of receiving party(ies)**

Name: United States of America Government Administrator of NASA

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

**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 \_\_\_\_\_

**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)

15/715,687

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 19346-1

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/

September 26, 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:**

**Eunice E. Arvizu**



National  
Aeronautics and  
Space  
Administration

Patent Application

### Assignment to the Government (by Government Employee)

Title of Invention: Apparatus and Method for Using Shape Memory Alloys to Form Shapes

Inventor(s): Othmane Benafan, Eunice E. Arvizu

NASA Case No.: LEW 19346-1 Application No.: 15/715,681 Filing Date\*: 09/26/2017

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.

<u>Othmane Benafan</u> (Signature of Inventor)	<u>09-26-2017</u> (Date Assignment Executed)	<u>09-26-2017</u> (Date Application Executed)
<u>Othmane Benafan</u> (Inventor's Typed Name)	<u>21950 Hilldale Avenue, Fairview Park, OH 44126, USA</u> (Mailing Address - Including Country)	
<u>Eunice Arvizu</u> (Signature of Inventor)	<u>09-26-2017</u> (Date Assignment Executed)	<u>09-26-2017</u> (Date Application Executed)
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<u>Eunice E. Arvizu</u> (Signature of Inventor)	<u>09-26-2017</u> (Date Assignment Executed)	<u>09-26-2017</u> (Date Application Executed)
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PATENT

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