

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7542022

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KURT A. TERRANI	09/02/2022
MICHAEL P. MICHAEL	09/02/2022
BRIAN C. JOLLY	09/02/2022
RECEIVING PARTY DATA	
Name:	UT-BATTELLE, LLC
Street Address:	ONE BETHEL VALLEY ROAD
Internal Address:	5002, MS-6265
City:	OAK RIDGE
State/Country:	TENNESSEE
Postal Code:	37831-6265
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16527317
CORRESPONDENCE DATA	
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<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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Address Line 4:	OAK RIDGE, TENNESSEE 37831-6265
ATTORNEY DOCKET NUMBER:	4194.1
NAME OF SUBMITTER:	KAREN E. VANCE
SIGNATURE:	/KE Vance/
DATE SIGNED:	09/16/2022
Total Attachments: 3	
source=4194.1 UTB Assignment for EPAS#page1.tif	
source=4194.1 UTB Assignment for EPAS#page2.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)

Kurt A. Terrani
Michael P. Trammell
Brian C. Jolly

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

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

Execution Date(s) 09/02/2022

- ☒ 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: UT-Battelle, LLC

Internal Address: 5002, MS-6265

Street Address: One Bethel Valley Road

City: Oak Ridge

State: TN

Country: USA Zip: 37831-6265

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

16/527,317

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Dan Vacar

Internal Address: UT-Battelle, LLC

Street Address: One Bethel Valley Road

5002, MS-6265

City: Oak Ridge

State: TN Zip: 37831-6265

Phone Number: (865) 341-0393

Fax Number: (865) 574-0381

Email Address: vacardv@ornl.gov

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 13-1958

Authorized User Name Karen E. Vance

9. Signature:

/Dan Vacar/
Signature

09/16/2022
Date

Dan Vacar, Reg. No. 63579

Name of Person Signing

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

3

ASSIGNMENT

WHEREAS, we the below-named inventors whose residences are as stated below, have an interest in an invention entitled:

Additive Manufacturing of Complex Objects Using Refractory Matrix Materials

(hereinafter referred to as "Subject Invention") for which are described in United States Patent Application No. 16/527,317 filed on July 31, 2019, and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at One Bethel Valley Road, P. O. Box 2008, Oak Ridge, Tennessee 37831-6258, hereinafter referred to as "ASSIGNEE," is desirous of acquiring our entire right, title and interest of the undersigned in the same;

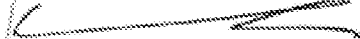
NOW, THEREFORE, in accordance with the terms of our employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to ASSIGNEE and its successors in interest our entire right, title and interest in the Subject Invention to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or patent applications therefor on the Subject Invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, we hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives, and assigns.

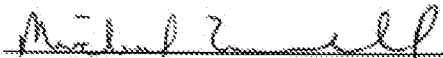
Name of Inventor: **Kurt A. Terrani**

Signature: 

Date: 09-02-22

Residence: 543 Arrowhead Trail, Knoxville, Tennessee 37919

Name of Inventor: **Michael P. Trammell**

Signature: 

Date: 9/2/22

Residence: ~~140 Margaret Lane, Jacksboro, Tennessee 37757~~
1728 Park Ln, Andersonville, TN 37705

Name of Inventor: **Brian C. Jolly**

Signature: 

Date: 9-2-22

Residence: 155 Jolly Ln, Heiskell, TN 37754