# 506351748 11/12/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6398503

SUBMISSION TYPE:		NEW	/ ASSIGNMENT			
NATURE OF CONVEYANCE:		ASS	ASSIGNMENT			
CONVEYING PARTY DA	АТА					
		Name	9			Execution D
DAVID ESPALIN						07/18/2018
ERIC MACDONALD						11/12/2020
RYAN WICKER						07/18/2018
RECEIVING PARTY DA	ТА					
Name:	1	OF REGE	NTS, THE UNIVERSI	ΓY OF	TEXAS S	YSTEM
Street Address:	201 WE	EST 7TH S	TREET			
City:	AUSTIN					
State/Country:	TEXAS					
Postal Code:	78701					
Property Type	Total: 1		Number			
PROPERTY NUMBERS Property Type	Total: 1		Number			
Property Type		15559423	Number			
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Property Type Application Number: CORRESPONDENCE D Fax Number:	ATA	(972)385-7	766			
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REEL: 054351 FRAME: 0165

#### ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to Board of Regents, The University of Texas System, having a place of business at 201 West 7th Street, Austin, Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for United States Letters Patent, Serial No. 15/559,423, which has been filed on September 18, 2017 and is entitled "STRUCTURALLY INTEGRATING METAL OBJECTS INTO EXTRUSION-BASED ADDITIVE MANUFACTURED THERMOPLASTIC STRUCTURES" (the "Invention"), such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional. continuing, substitute, renewal. reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

I/We grant Assignee the power to correct clerical errors on this Assignment and to revise this Assignment to include additional information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN WITNESS WHEREOF. I have hereunto signed my name on the day and year set forth below.

-18-18 Inventor's Signature DATE **David Espalin** Inventor's Printed Name JENNIFER RAMIREZ Notary Public, State of Texas STATE OF TEXOS Comm. Expires 01-21-2022 COUNTY OF ELPUSO Notary ID 128182773 ) \$\$ 2018 day of , before me personally came the above named On this A) (D FSUMLA) who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth. NOTARY PUBLIC My Commission Expires: PATENT

#### ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to Board of Regents, The University of Texas System, having a place of business at 201 West 7th Street. Austin. Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for United States Letters Patent, Serial No 15/559,423, which has been filed on September 18, 2017 and is entitled "STRUCTURALLY INTEGRATING METAL OBJECTS INTO ADDITIVE MANUFACTURED STRUCTURES" (the "Invention"), such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned:

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee. and for securing, maintaining and enforcing proper patent protection for such improvements;

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IN WITNESS WHE hereunto signed my name on the day and year set forth below.

En Mitz		11/12/2020		
Inventor's Signature		DATE		
Eric MacDonald				
Inventor's Printed Name				
STATE OF	) ) SS			
COUNTY OF )				

day of November 2020 , before me personally came the above named On this 12 Eric MacDonald who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Page 1 of 1

NOTARY PUBLIC	
My Commission Expires:	

REEL: 054351 FRAME: 0167

### ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to Board of Regents, The University of Texas System, having a place of business at 201 West 7<sup>th</sup> Street, Austin, Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all inventions, subject matter and improvements disclosed in the application for United States Letters Patent, Serial No. 15/559,423, which has been filed on September 18, 2017 and is entitled "STRUCTURALLY INTEGRATING METAL OBJECTS INTO EXTRUSION-BASED ADDITIVE MANUFACTURED THERMOPLASTIC STRUCTURES" (the "Invention"), such application and any and all divisional, continuing, substitute, renewal, reissue and other applications for patent which have been or shall be filed in the United States and all foreign countries based on the Invention; all original, reissued and reexamined patents which have been or shall be issued in the United States and all foreign countries based on the Invention; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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IN WITNESS WHEREOF, I have here	unto signed my name on the day an	d year set forth below.
	7-18-2018	
Inventor's Signature	DATE	
Ryan Wicker	สีรับสมัยแปร้างสุดีการสร้างเป็นและการจุ	
Inventor's Printed Name	JENI	IFER RAMIREZ
STATE OF TEXAS COUNTY OF EI PUSO SS gn this 18th day of JUM	126.72./\$\$ Comm.	ublic, State of Texas Expires 01-21-2022 ry ID 128162773
COUNTY OF $V(V_0 > 0)$		
On this 15-14 day of 1114 UKA Who is personally show individual who executed the foregoing as his/her own free will for the use and purpose	signment, and who acknowledged to	
	NOTARY PUBLIC My Commission E	xpirës:
	Page 2 of 2	PATENT

RECORDED: 11/12/2020