# 504782847 02/19/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4829578

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	' DATA				
			Name		Execution Date
NICHOLAS LEVENTIS					02/14/2018
CHARIKLIA SOTIRIO	U-LEVEN	-IS			02/14/2018
MALIK ADNAN SAEE	D				02/14/2018
RECEIVING PARTY I	DATA				
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PROPERTY NUMBE	RS Total: <sup>-</sup>			-	
PROPERTY NUMBE	RS Total: <sup>-</sup>	I			
Property Type			Number		
Application Number: 14		1496	9650		
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SIGNATURE:			70. John Brannon/		
SIGNATURE: DATE SIGNED:			02/19/2018		
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#### ASSIGNMENT OF PATENT RIGHTS FROM INVENTORS TO UNIVERSITY

#### 16MST020

This Assignment of Patent Rights from Inventor to University Agreement ("Agreement") is entered into by and between Nicholas Leventis, an individual having an address of 1522 Timbercreek Road, Rolla, MO 65401 and, Chariklia Sotiriou-Leventis, an individual having an address of 1028 Cobblestone Circle, Rolla, MO 65401 and, Malik Adnan Saeed, an individual having an address of 2017 A Forum Drive, Rolla, MO 65401 ("Assignors") and The Curators of the University of Missouri, a public corporation of the State of Missouri having a principal place of business at 316 University Hall, Columbia, Missouri 65211, U.S.A. ("Assignee").

WHEREAS Assignors have contributed to the subject matter of the invention disclosed, described, and/or claimed in UM Invention Disclosure No. 16MST020 entitled Monolithic Nanoporous Carbon-Supported Fe, Au, Pt and Pd Catalysts from Pyrolysis and Transmetalation Via Galvanic Replacement of Ferrocene-Based Polyamide Aerogels ("Invention Disclosure Form") which is the subject of United States Patent Application Serial No. 14/969,650 filed on December 15, 2015 and entitled MULTIFUNCTIONAL POROUS ARAMIDS (AEROGELS), FABRICATION THEREOF, AND CATALYTIC COMPOSITIONS DERIVED THEREFROM ("Patent Application"); and

WHEREAS, pursuant to Assignors' assignment obligations under the Assignee's Collected Rules and Regulations § 100.020, Assignors have an obligation to convey any and all rights that Assignors have or might have in the aforementioned invention and Patent Application; and

WHEREAS Assignors have assigned their rights in the invention and Patent Application pursuant to the Invention Disclosure Form; and

WHEREAS Assignors are willing to execute this notarized Agreement in order to confirm the assignment of rights in the Patent Application (and other rights as more fully set forth below) to Assignee.

NOW THEREFORE, in consideration of Assignors' past and continued employment with and use of Assignee's funds and facilities, Assignors' assignment obligations and royaltysharing rights under the Collected Rules and Regulations § 100.020, the sum of USD \$1.00 inhand paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

#### 1. Assignment

Assignors hereby assign, transfer, and convey (and confirm any prior such conveyance as the case may be) to Assignee, and Assignee hereby accepts, Assignors' entire right, title and interest in and to:

- (a) the invention disclosed and/or claimed, in whole or in part, in the Patent Application and any and all improvements therein conceived or reduced to practice by each of Assignors in the course of and the general scope of each of Assignors' employment with Assignee (collectively the "Invention");
- (b) all patents and patent applications that have been or may hereafter be filed which are based on the Invention in any country, including the Patent Application and

any provisional, non-provisional, divisional, continuation, continuation-in-part, extension, renewal, re-examination, reissue, substitute, supplementary protection certificate, utility model, or similar legal protection based on the Invention ("Patents");

- (c) the right to claim priority to any of the Patents under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or laws of the country in which the Patents are filed, as may be applicable; and
- (d) all rights of action, powers, and benefits arising from ownership of the Patents, including the right to sue for past, present, and future infringement of the Patents, the right to collect royalties, fees, damages, and payments now or hereafter due or payable with respect to the Patents, the right to seek injunctive relief based on the Patents, and the right to pursue all causes of action and all enforcement rights relating to the Patents, whether known or unknown, currently pending or otherwise.

Assignors' rights assigned in (a)-(d) above are referred to collectively in this Agreement as the "Assigned Rights."

Assignors authorize and request the Director of the United States Patent and Trademark Office, and any corresponding entity, agency, or official of any other country whose duty it is to issue patents or similar legal protection, to issue the Patents to Assignee such that the Patents will be held by Assignee for its own use and benefit, for the full term for which the Patents are or may be granted.

# 2. <u>Further Assurances</u>

Upon the reasonable request of Assignee, Assignors agree to execute such documents and perform such acts as may be necessary to give full effect to the terms of this Agreement. Without limiting the generality of the foregoing, Assignors agree to execute any and all assignments and other documents that may be needed to record, vest, or perfect Assignee's right, title, and interest in and to the Assigned Rights as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment had not been made. Assignors also agree to execute any and all declarations, oaths, specifications, and other documents requested by Assignee in connection with prosecution of the Patents. Assignors further agree to cooperate with and assist Assignee with respect to prosecution of the Patents, including communication to Assignee of any facts known to Assignors relating to the Invention and/or any prior art that may be material to patentability of the Invention. Assignors also agree that in the event any of the Patents become involved in an interference, derivation proceeding, re-examination, reissue, opposition, supplemental examination, *inter partes* review, post grant review, validity, or infringement proceeding or litigation, Assignors will cooperate with and assist Assignee in relation to the proceeding for the benefit of Assignee at Assignee's expense.

# 3. <u>Representations and Warranties</u>

Assignors represent and warrant to Assignee that:

(a) Assignors have the full right and power to enter into and perform their obligations under this Agreement without being in breach of any obligations owed by Assignors to any third party;

- (b) The Assigned Rights are free and clear of any agreement, lien, charges, encumbrances, ownership claim, or other claim or right, either written, oral, or implied, which will impair, interfere or conflict with the rights herein assigned to Assignee; and
- (c) Assignors have not assigned, transferred, or otherwise conveyed and will not assign, transfer, or otherwise convey to any third party any right or license under or with respect to the Assigned Rights or execute any other agreement that is in conflict with this Agreement.

# 4. <u>Attorney-In-Fact</u>

Assignors hereby irrevocably appoint the President of Assignee, or the President's designee, as each of Assignors' attorney-in-fact with authority to execute for Assignors and on Assignors' behalf any and all assignments, applications, or other instruments and documents required to be executed by Assignors pursuant to this Agreement, if Assignors are unwilling or unable to execute same. This appointment shall be deemed to be a power coupled with an interest, and as such, is irrevocable.

# 5. <u>Patent Application Information</u>

Assignors hereby authorize Assignee or its attorneys to insert in this Assignment the serial number and filing date of the Patent Application when known.

# 6. <u>Binding Agreement</u>

The provisions of this Agreement are binding upon, and will inure to the benefit of, the parties hereto and their respective heirs, personal representatives, successors and permitted assigns.

# 7. <u>Counterparts</u>

This Agreement may be executed in any number of counterparts, including facsimile or scanned PDF documents. Each such counterpart, facsimile or scanned PDF document shall be deemed an original instrument, and all of such counterparts, together, shall constitute one and the same executed Agreement.

IN WITNESS WHEREOF, Assignors and Assignee have executed this Assignment Agreement as of the day and year written below.

[The rest of the page is intentionally left blank]

ASSIGNORS By Niehojas Leventis

02-14-2018

Date

STATE OF Missouri ) ) SS COUNTY OF Phelps )

On this 14 day of 24 and 2018, before me, a Notary Public in and for the State and County aforesaid, personally appeared Nicholas Leventis to me known and known to me to be the person of that name who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

<u>Kiza</u> <u>Aderta</u> Notary Public

(SEAL)

My Commission Expires: 9-6-2020

LISA ALDERSON Notary Public - Notary Seal State of Missouri, Phelps County Commission Number 00508860 My Commission Expires Sep 6, 2020

Delegated Standard Form Revised 3/26/14

PATENT REEL: 044965 FRAME: 0109 ASSIGNORS

Cheventi By Chariklia Sotiriou-Leventis

2/14/2018 Date

STATE OF Missouri ) ) SS COUNTY OF Phelps )

Notary Public

(SEAL)

My Commission Expires: 9-6-2020

LISA ALDERSON Notary Public - Notary Seal State of Missouri, Phelps County Commission Number 00508860 My Commission Expires Sep 6, 2020

Delegated Standard Form Revised 3/26/14

PATENT REEL: 044965 FRAME: 0110

ASSIGNOR	S	
By	TI DNM	*
Malik Adnar	Saeed	,
STATE OF	Ŭ.	) ) SS
COUNTY O	F Washington	)

	Oa-	14-18	
Date	_		

On this  $\underline{|4|^{\mu}}$ day of  $\underline{F_{f}}_{DYN2777}$ , 2018, before me, a Notary Public in and for the State and County aforesaid, personally appeared Malik Adnan Saeed, to me known and known to me to be the person of that name who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Sheilz Maria Buton Notary Public **OFFICIAL STAMP** SHEILA MARIA BURTON **NOTARY PUBLIC-OREGON** COMMISSION NO. 957454 MY COMMISSION EXPIRES DECEMBER 20, 2020 (SEA My Commission Expires: Decemper 2020 2020

THE CURATORS OF THE UNIVERSIT	Y OF MISSOURI
By King the	2/15/18
Keith Strassner	Date

Keith Strassner Date Director – Technology Transfer and Economic Development

<u>Delegated and Approved as to Legal Form</u> <u>Mun Choi, President, University of Missouri System and Christopher G. Maples, Interim Chancellor, Missouri</u> <u>University of Science and Technology (dated May 15,2017)</u>

STATE OF Missouri ) ) SS COUNTY OF Phelps )

On this 15<sup>th</sup> day of Tebruary, 2018, before me, a Notary Public in and for the State and County aforesaid, personally appeared Keith Strassner, to me known and known to me to be the person of that name who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed on behalf of The Curators of the University of Missouri.

John L. Gileon - Sala

(SEAL)

My Commission Expires: 9-10-2019



Delegated Standard Form Revised 3/26/14

# PATENT REEL: 044965 FRAME: 0112

**RECORDED: 02/19/2018**