504690916 12/15/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4737638

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STACI A. MOULTON	12/13/2017
ALAN W. WEIMER	07/26/2017

RECEIVING PARTY DATA

Name:	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE
Street Address:	1800 GRANT STREET
Internal Address:	8TH FLOOR
City:	DENVER
State/Country:	COLORADO
Postal Code:	80203

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15527630

CORRESPONDENCE DATA

Fax Number: (602)382-6070

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.

Phone: (602)382-6000

Email: ipdocket@swlaw.com

Correspondent Name: SNELL & WILMER L.L.P. (MAIN)

Address Line 1: 400 EAST VAN BUREN
Address Line 2: ONE ARIZONA CENTER

Address Line 4: PHOENIX, ARIZONA 85004-2202

ATTORNEY DOCKET NUMBER:	51606.04793
NAME OF SUBMITTER:	CYNTHIA L. PILLOTE
SIGNATURE:	/Cynthia L. Pillote/
DATE SIGNED:	12/15/2017

Total Attachments: 4

source=5160604793ASN#page1.tif source=5160604793ASN#page2.tif

> PATENT REEL: 044410 FRAME: 0170

504690916

source=5160604793ASN#page3.tif source=5160604793ASN#page4.tif

> PATENT REEL: 044410 FRAME: 0171

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the addresses indicated below, have invented subject matter disclosed and/or claimed in the patent application entitled "CATALYST, STRUCTURES, REACTORS, AND METHODS OF FORMING SAME," filed on May 17, 2017, and assigned U.S. Application No. 15/527,630

AND WHEREAS, THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, an entity organized and existing under and by virtue of the laws of the State of Colorado, having its principal place of business and mailing address at 1800 Grant Street, 8th Floor, Denver, Colorado 80203, hereinafter, "ASSIGNEE"), is desirous of memorializing its interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer and/or confirms its prior sale, assignment and transfer unto ASSIGNEE, its successors, assigns and legal representatives, any and all of ASSIGNOR'S rights to the subject matter and inventions, as described in the aforesaid application, including patent, copyright and any other intellectual property rights, any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document, or any other application which claims priority to said application, including the rights to sue for all past and future causes of action related to said inventions, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

AND HEREBY AGREES to transfer to ASSIGNEE, its successors, assigns and legal representatives, without further remuneration, a like interest in and to any improvements, related new matter, and derivative works, and applications based thereon, growing out of or relating to the inventions; and to provide all reasonable assistance and execute any papers, if accurate, desired by ASSIGNEE, its successors, assigns and legal representatives, to preserve, acquire and/or perfect ASSIGNEE'S full protection and title in and to the inventions and any improvements and to file any of the aforementioned applications.

4878-7486-9159.1

PATENT REEL: 044410 FRAME: 0172

Serial No.: 15/527,630 Docket No.: 51606.04793

EXECUTED as of the date(s) written below by ASSIGNOR:

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Staci A. Van- Norman- Moulton	13410 Via Varra Road	8-W9-	Dec 13, 2017
JAN 12/13/17	70 8×× 2Ho	76	
STATE OF <u>COLO</u> Y	ado Superior, co:	30027	
) ss.		
County of POLIC	<u>ler</u>)		
for said county, app person whose nam	20	who is personally known to ng instrument, and he/she a	me to be the same cknowledged that
My commission ex	pires:		
February	<u> </u>	BONNIE LYNN WOJTKIEWIC: NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20184007025 MY COMMISSION EXPIRES FEBRUAR	

2

ASSIGNMENT

UTILITY PATENT

WHEREAS, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the addresses indicated below, have invented subject matter disclosed and/or claimed in the patent application entitled "CATALYST, STRUCTURES, REACTORS, AND METHODS OF FORMING SAME," filed on May.17, 2017, and assigned U.S. Application No. 15/527,630;

AND WHEREAS, THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, an entity organized and existing under and by virtue of the laws of the State of Colorado, having its principal place of business and mailing address at 1800 Grant Street, 8th Floor, Denver, Colorado 80203, hereinafter, "ASSIGNEE"), is desirous of memorializing its interest therein;

NOW. THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer and/or confirms its prior sale, assignment and transfer unto ASSIGNEE, its successors, assigns and legal representatives, any and all of ASSIGNOR'S rights to the subject matter and inventions, as described in the aforesaid application, including patent, copyright and any other intellectual property rights, any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document, or any other application which claims priority to said application, including the rights to sue for all past and future causes of action related to said inventions, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives.

AND HEREBY AGREES to transfer to ASSIGNEE, its successors, assigns and legal representatives, without further remuneration, a like interest in and to any improvements, related new matter, and derivative works, and applications based thereon, growing out of or relating to the inventions; and to provide all reasonable assistance and execute any papers, if accurate, desired by ASSIGNEE, its successors, assigns and legal representatives, to preserve, acquire and/or perfect ASSIGNEE'S full protection and title in and to the inventions and any improvements and to file any of the aforementioned applications.

4828-7489-9150.3

PATENT REEL: 044410 FRAME: 0174

Serial No.: 15/527,630 Docket No.: 51606.04793

EXECUTED as of the date(s) written below by ASSIGNOR:

NAME Alan W. Weimer 6967 Springhill Drive Niwot CO 80503	INVENTOR'S	ADDRESS	SIGNATURE	DATE
Alan W. Weimer 6967 Springhill Drive	NAME			
Nivot CO 80503	Alan W. Weimer	6967 Springhill Drive	1.4 / 1	7 7
100000000000000000000000000000000000000		Niwot, CO 80503	All War	7/24/2017

STATE OF Colorado ss.

On this 2014 day of Jaw , 2017, before me, a notary public in and for said county, appeared Alan W. Weimer, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Notary Vablic

My commission expires:

<u> October 21, 2018</u>

SNELL & WILMER L.L.P.

One Arizona Center 400 East Van Buren Phoenix, Arizona 85004-2202

Phone: (602) 382-6226 Fax: (602) 382-6070 LAUREN CASS MIREMONT
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID # 20104038240
MY COMMISSION EXPIRES OCTOMER 21, 2618

3

RECORDED: 12/15/2017