

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT7875522

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FENG GU	08/18/2014
KIRAN CHODAVARAPU	08/19/2014
JAMES BOGDANOR	08/14/2014
DENNIS MCCREARY	08/19/2014
JAMES NEIL PRYOR	08/14/2014
THOMAS PAULY	07/14/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	W.R. GRACE & CO.-CONN.
<b>Street Address:</b>	7500 GRACE DRIVE
<b>City:</b>	COLUMBIA
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	21044
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15111672
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)672-5399
<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>	
<b>Phone:</b>	2026725300
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<b>Correspondent Name:</b>	FOLEY & LARDNER LLP
<b>Address Line 1:</b>	3000 K STREET N.W.
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<b>Address Line 4:</b>	WASHINGTON, D.C. 20007-5109
<b>ATTORNEY DOCKET NUMBER:</b>	114096-2359 (W10013-01)
<b>NAME OF SUBMITTER:</b>	REBECCA FINCUTTER
<b>SIGNATURE:</b>	/Rebecca Fincutter/
<b>DATE SIGNED:</b>	03/30/2023

**Total Attachments: 4**

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**PROVISIONAL APPLICATION ASSIGNMENT  
TO  
W. R. GRACE & CO.-CONN.**

Inventor or Inventors:		
Feng Gu	Dennis McCreary	
Kiran Chodavarapu	James Neil Pryor	
James Bogdanor	Thomas Pauly	

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

(1) UNDERSIGNED hereby assign(s) to W. R. Grace & Co.-Conn., a corporation organized and existing under the laws of the State of Connecticut, its successors and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries in and to UNDERSIGNED'S:

- (a) inventions described in the patent application entitled, Affinity Chromatography Media and Chromatography Devices; said application being further identified as U.S. Provisional Application No. 61/928242, filed in the United States Patent and Trademark Office on January 16, 2014 and having Docket No. W10013-01;
- (b) inventions claimed in any non-provisional:
  - (i) application, such as design, or regular utility patent application, continuing application (e.g., in whole or in-part), divisional application, reissue or re-examined patent application, or any patent application for substitution, importation, improvement, or addition, utility model, or inventors certificates; and/or
  - (ii) patent issuing from any of the above applications of 1(b)(i), and/or any other type of patent issued in countries anywhere in the world;

wherein said application and/or patent of 1(b)(i) or (ii)

- (A) directly claims priority to the Provisional Application of (a); or
- (B) indirectly claims priority to the Provisional Application of 1(a) (e.g., any application or patent claiming priority to one or more applications or patents, that directly or indirectly claim priority to the Provisional Application of 1(a));

- (c) inventions constituting improvements or modifications to any inventions described in the Provisional Application of (a) and/or the non-provisional patent application(s) or patents of 1(b); the inventions of 1(a) (b) and (c) being collectively and individually referred to hereinafter as INVENTION(S);
- (d) applications (and patents based thereon) filed under the Patent Cooperation Treaty (PCT), and/or treaties, conventions or compacts of other regions (including e.g., European Patent, Eurasian Patent, ARIPO Patent and OAPI Patent) covering said INVENTION(S); and
- (e) rights of priority created by said application(s) or patents under provisions of international conventions or treaties.

(3) UNDERSIGNED agree(s) that in the event of any application based on said assigned INVENTION(S) or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in one or more legal proceedings anywhere in the world, e.g., Derivation Proceeding, Post Grant Review, Inter-Partes Review, Ex Parte Reexamination, Supplemental Examination, Third Party Post Issuance Proceedings, Transitional Business Method Post Grant Review, patent infringement litigation, and Declaratory Judgment proceeding, UNDERSIGNED will cooperate with ASSIGNEE, at ASSIGNEE'S expense, to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents, giving and producing evidence in support thereof, and generally do everything possible to aid ASSIGNEE, its (his/her) successors and assigns, to obtain and enforce proper protection for said INVENTION in the United States and its territorial possessions and in any and all foreign countries.

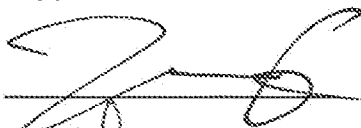
(4) UNDERSIGNED agree(s) to perform, upon ASSIGNEE's request, any and all affirmative acts to obtain United States and foreign patents covering said INVENTION(S) and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if these assignments had not been made.

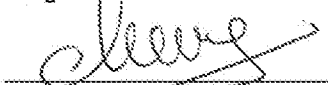
(5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument, the filing date and Provisional Application number thereof when known.

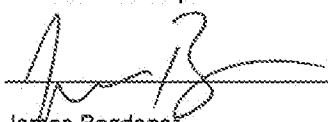
ASSIGNMENT

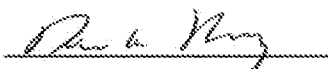
Attorney Docket No. W10013-01

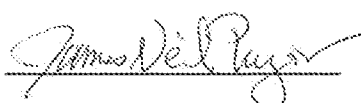
IN WITNESS WHEREOF, this assignment has been executed by  
UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date 8/18/14 Inventor  (LS) Witness Christopher J. Lane  
Feng Gu

Date 8/19/14 Inventor  (LS) Witness Christopher J. Lane  
Kiran Chodavarapu

Date 8/19/2014 Inventor  (LS) Witness Christopher J. Lane  
James Bogdanof

Date 8-19-2014 Inventor  (LS) Witness Christopher J. Lane  
Dennis McCreary

Date 8/14/2014 Inventor  (LS) Witness Christopher J. Lane  
James Neil Pryor

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_  
Thomas Pauly

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

ASSIGNMENT

Attorney Docket No. W10013-01

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Feng Gu

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Kiran Chodavarapu

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

James Bogdanor

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Dennis McCreary

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

James Neil Pryor

Date 11/27/14 Inventor  (LS) Witness  \_\_\_\_\_

Thomas Pauly

Dr. Horst Herrig

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_