

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

Inventor or Inventors:		
Chelsea Grimes	Ignazio Catucci	
Demetrius Michos		
Cristian Libanati		

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, Methods of Using Silica-Zirconia Catalysts in Processes to Reduce Glycidol, Glycidyl, Esters, or Both Glycidol and Glycidyl Esters from A Triglyceride-Containing Composition; said application being further identified as U.S. Provisional Application No. 62/844,033, filed in the United States Patent and Trademark Office on May 6, 2019 and having Docket No. W10217-01;
- (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.

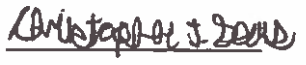
(4) UNDERSIGNED agree(s) to perform, upon ASSIGNEE's request, any and all affirmative acts to obtain United States and foreign patents covering said INVENTION(S) and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED 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. W10217-01

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

Date 5/29/2019 Inventor  (LS) Witness 
Chelsea Grimes

Date 5/29/2019 Inventor  (LS) Witness 
Demetrius Michos

Date 5/29/2019 Inventor  (LS) Witness 
Cristian Libanati

Date _____ Inventor _____ (LS) Witness _____
Ignazio Catucci

Date _____ Inventor _____ (LS) Witness _____

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Date _____ Inventor _____ (LS) Witness _____

Demetrius Michos

Date _____ Inventor _____ (LS) Witness _____

Cristian Libanati

Date 05/06/19 Inventor Ignazio Catucci (LS) Witness Ignazio Catucci

Ignazio Catucci

Date _____ Inventor _____ (LS) Witness _____

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