

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Edward T. Habib, Jr.	07/06/2010
Ruizhong Hu	06/28/2010
Terry G. Roberie	07/01/2010
RECEIVING PARTY DATA	
Name:	W.R. Grace & Co.-Conn.
Street Address:	7500 Grace Drive
City:	Columbia
State/Country:	MARYLAND
Postal Code:	21044-4098
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13029367
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ATTORNEY DOCKET NUMBER:	2010EM078-US2 GRACE
NAME OF SUBMITTER:	Bruce M. Bordelon
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**PROVISIONAL APPLICATION ASSIGNMENT
TO
W. R. GRACE & CO. – CONN.**

Inventor or Inventors:		
Edward T. Habib, Jr.	Ruizhong Hu	Terry G. Roberie

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 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, **LOW SMALL MESOPOROUS PEAK CRACKING CATALYST AND METHOD OF USING**; said application being further identified as U.S. Provisional Application No. **61/339,928**, filed in the United States Patent and Trademark Office on **March 11, 2010** and having Docket No. **W9905-01**;
- (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.

(2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for, and documents relating to, obtaining patents and the prosecution thereof for said INVENTION(S) and any continuations, re-examinations or re-issues of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office, and any foreign patent office that ASSIGNEE may deem necessary or expedient.

(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 priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

(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. W9905-01

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

Date 7/6/2010 Inventor Edward T. Habib, Jr. (LS) Witness K. Sauter-Bray
Edward T. Habib, Jr.

Date 6/28/2010 Inventor Ruizhong Hu (LS) Witness K. Sauter-Bray
Ruizhong Hu

Date 7/1/2010 Inventor Terry G. Roberie (LS) Witness K. Sauter-Bray
Terry G. Roberie

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

Date _____ Inventor _____ (LS) Witness _____

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Date _____ Inventor _____ (LS) Witness _____