

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael Scott Ziebarth</td> <td>04/27/2005</td> </tr> <tr> <td>M. Sundaram Krishnamoorthy</td> <td>04/27/2005</td> </tr> <tr> <td>Roger Jean Lussier</td> <td>04/27/2005</td> </tr> </tbody> </table>		Name	Execution Date	Michael Scott Ziebarth	04/27/2005	M. Sundaram Krishnamoorthy	04/27/2005	Roger Jean Lussier	04/27/2005				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>W. R. Grace & Co.-Conn.</td> </tr> <tr> <td>Street Address:</td> <td>7500 Grace Drive</td> </tr> <tr> <td>Internal Address:</td> <td>Attn: Patent Department</td> </tr> <tr> <td>City:</td> <td>Columbia</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>21044</td> </tr> </table>		Name:	W. R. Grace & Co.-Conn.	Street Address:	7500 Grace Drive	Internal Address:	Attn: Patent Department	City:	Columbia	State/Country:	MARYLAND	Postal Code:	21044
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CORRESPONDENCE DATA													
<p>Fax Number: (410)531-4195</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 410-531-4531</p> <p>Email: columbia.patents@grace.com</p> <p>Correspondent Name: W. R. Grace & Co.-Conn.</p> <p>Address Line 1: 7500 Grace Drive</p> <p>Address Line 2: Attn: Patent Department</p> <p>Address Line 4: Columbia, MARYLAND 21044</p>													
ATTORNEY DOCKET NUMBER:	W9660-01												
NAME OF SUBMITTER:	Kimberly A. Sauter-Bray, IP Paralegal												
Total Attachments: 2													

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PROVISIONAL APPLICATION
ASSIGNMENT

Inventor or Inventors:		
Michael Scott Ziebarth		
M. Sundaram Krishnamoorthy		
Roger Jean Lussier		

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, including those filed under the Patent Corporation Treaty (PCT), in and to UNDERSIGNED's (a) inventions described in the patent application entitled:

Compositions and Processes for Reducing NOx Emissions During Fluid Catalytic Cracking;

said application having been executed on the 27 day of April, 2005, and being further identified as U.S. Provisional Application No. 60/675,150, filed in the United States Patent and Trademark Office on 4/27/05; (b) all patents and patent applications (including continuations (e.g., continuations-in-part), re-issues and re-examinations) covering said inventions, or improvements or modifications thereto (collectively and individually referred to hereinafter as INVENTIONS(S)); (c) all foreign applications, including PCT applications; and (d) all rights of priority created by said application(s) 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 or re-issues of such applications or substitutes therefor 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 this assignment and sale had not been made.

(5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument, the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application, as well as the filing date and application number thereof when known.

ASSIGNMENT

Attorney Docket No. W-9680-01

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

Date	<u>4/27/05</u>	Inventor	<u>Michael Scott Ziebarth</u>	(LS)	Witness	<u>Linda L. Burton</u>
			Michael Scott Ziebarth			Linda L. Burton
Date	<u>04/27/2005</u>	Inventor	<u>M. Sundaram Krishnamoorthy</u>	(LS)	Witness	<u>Linda L. Burton</u>
			M. Sundaram Krishnamoorthy			Linda L. Burton
Date	<u>04/27/2005</u>	Inventor	<u>Roger Jean Lussier</u>	(LS)	Witness	<u>Linda L. Burton</u>
			Roger Jean Lussier			Linda L. Burton
Date	_____	Inventor	_____	(LS)	Witness	_____
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Date	_____	Inventor	_____	(LS)	Witness	_____
Date	_____	Inventor	_____	(LS)	Witness	_____
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