

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David A. Berry</td> <td>10/04/2012</td> </tr> <tr> <td>Dushyant . Shekhawat</td> <td>10/04/2012</td> </tr> <tr> <td>Mark . Smith</td> <td>10/04/2012</td> </tr> <tr> <td>Daniel . Haynes</td> <td>10/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	David A. Berry	10/04/2012	Dushyant . Shekhawat	10/04/2012	Mark . Smith	10/04/2012	Daniel . Haynes	10/05/2012		
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<table border="1"> <tr> <td>Name:</td> <td>U.S. Department of Energy</td> </tr> <tr> <td>Street Address:</td> <td>1000 Independence Avenue, S.W.</td> </tr> <tr> <td>Internal Address:</td> <td>GC-62, 6F-048</td> </tr> <tr> <td>City:</td> <td>Washington</td> </tr> <tr> <td>State/Country:</td> <td>DISTRICT OF COLUMBIA</td> </tr> <tr> <td>Postal Code:</td> <td>20585-0162</td> </tr> </table>		Name:	U.S. Department of Energy	Street Address:	1000 Independence Avenue, S.W.	Internal Address:	GC-62, 6F-048	City:	Washington	State/Country:	DISTRICT OF COLUMBIA	Postal Code:	20585-0162
Name:	U.S. Department of Energy												
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13028303</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13028303								
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CORRESPONDENCE DATA													
<p>Fax Number: 2025867127 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-586-2810</p> <p>Email: katherine.baldwin@hq.doe.gov</p> <p>Correspondent Name: Katherine Baldwin</p> <p>Address Line 1: 1000 Independence Avenue, S.W.</p> <p>Address Line 2: GC-62, 6F-048</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20585-0162</p>													
ATTORNEY DOCKET NUMBER:	S-122,123												
NAME OF SUBMITTER:	Katherine Baldwin												

CH \$40.00 13028303

Total Attachments: 4

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Joint

U.S. Department of Energy Patent Assignment Form

Whereas, we, David A. Berry; Dushyant Shekhawat; Mark Smith; Daniel Haynes
have invented certain new and useful improvements in :
**METHOD OF PREPARING AND UTILIZING A CATALYST SYSTEM FOR AN
OXIDATION PROCESS ON A GASEOUS HYDROCARBON STREAM**

for which an application for United States Letters Patent has been filed, identified as:

U.S. Application No. 13/028,303, filed February 16, 2011

and;

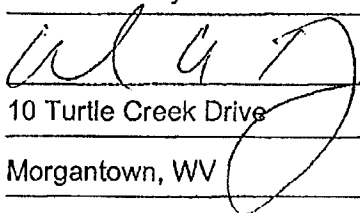
WHEREAS, the Government of the United States desires to acquire the entire right, title, and interest in and to said invention and in and to any Letters Patent wherever they may be issued thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar to us in hand paid by the Government of the United States, and for other good and valuable consideration, the receipt of which is hereby acknowledged, we by these presents do sell, assign, and transfer unto the said Government of the United States, as represented by the United States Department of Energy, and/or its assigns, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patent wherever they may be granted thereon as well as reissues and extensions of said Letters Patent are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by us had this assignment not been made.

We agree to make, execute, and deliver unto the Government of the United States, or to the United States Department of Energy, any and all papers, documents, affidavits, renewal, divisional and reissue applications, statements, or other instruments in such usual or other forms, terms and contents as may be required by the United States Department of Energy, or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after the issuance of any Letters thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved and we agree that we will encounter or in which they may become involved and we agree that we will aid the Government of the United States in every way in protecting the inventions as may be requested by the United States Department of Energy or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with the Government of the United States.

Inventor:

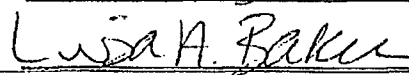
Full name of Inventor: David A. Berry

Inventor's signature: Date 10-4-12


Street Address: 10 Turtle Creek Drive

City, State: Morgantown, WV

Citizenship: US

Witness to Signature:Full name of Witness: Lisa A. BakerWitness' Signature: Date 10/4/12**Inventor:**

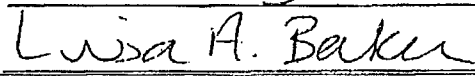
Full name of Inventor: Dushyant Shekhawat

Inventor's signature: Date 10/04/12

Street Address: 131 Village Crest Drive

City, State: Morgantown, WV

Citizenship: US

Witness to Signature:Full name of Witness: Lisa A. BakerWitness' Signature: Date 10/4/12

Inventor:

Full name of Inventor: Mark Smith

Inventor's signature: Mark SmithDate 10/4/12

Street Address: 55 Ebenklein Lane

City, State: Morgantown, WV

Citizenship: US

Witness to Signature:Full name of Witness: Lisa A. BakerWitness' Signature: Lisa A. BakerDate 10/4/12**Inventor:**

Full name of Inventor: Daniel Haynes



Inventor's signature: Daniel HaynesDate 10/5/12

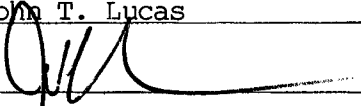

Street Address: 303 Pinecrest Plaza

City, State: Morgantown, WV

Citizenship: US

Witness to Signature:Full name of Witness: Lisa A. BakerWitness' Signature: Lisa A. BakerDate 10/5/12

Contractor Approval and Consent:
Full Name: DONALD K. MURANO
Signature:  Date 10/9/12
Title: URS Site COUNSEL @ NETL Site
Witness to Signature:
Full name of Witness: Kathleen A. Kelly
Witness' Signature:  Date 10/9/12

Government Acceptance:
Accepted for the Benefit of the Government of the United States.
Full Name: John T. Lucas
Signature:  Date 10/16/2012
Title: Assistant General Counsel for Technology Transfer and Intellectual Property
Witness to Signature:
Full name of Witness: Katherine Baldwin
Witness' Signature:  Date 10-16-12