

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RANJANI V. SIRIWARDANE	10/06/2015
YUEYING . FAN	10/06/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	U.S. Department of Energy
<b>Street Address:</b>	1000 Independence Avenue, S.W.
<b>Internal Address:</b>	GC-62, 6F-048
<b>City:</b>	Washington
<b>State/Country:</b>	DISTRICT OF COLUMBIA
<b>Postal Code:</b>	20585-0162
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14870051
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<b>ATTORNEY DOCKET NUMBER:</b>	S-141,946
<b>NAME OF SUBMITTER:</b>	KATHERINE BALDWIN
<b>SIGNATURE:</b>	/Katherine Baldwin/
<b>DATE SIGNED:</b>	04/03/2018
<b>Total Attachments: 2</b>	
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# U.S. Department of Energy Patent Assignment Form

Whereas, I/we, Ranjani V. Siriwardane ; Yueying Fan

*have invented certain new and useful improvements in :*

**METAL FERRITE OXYGEN CARRIERS FOR GASIFICATION OF SOLID  
CARBONACEOUS FUEL**

*, for which I/we have/will file an application for United States Letters Patent, identified*

*as: S-141,946, filed as U.S. Application 14/870,051, filed September 30, 2015*

*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 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.*

*I/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.*

*Further, I/We hereby authorize and request the Government of the United States to insert into this assignment the filing date and application number of said application when known.*

**Inventor:**

Full name of Inventor: Ranjani V. Siriwardane

Inventor's signature: Ranjani V. Siriwardane Date Oct 6/2015

Address: 1361 Braewick Drive, Morgantown, WV 26505

**Witness to Signature:**

Full name of Witness: Lisa A. Baker

Witness' Signature: Lisa A. Baker Date 10/06/15

Assignment to DOE regarding: S-141,946, filed as U.S. Application 14/870,051, filed September 30, 2015

METAL FERRITE OXYGEN CARRIERS FOR GASIFICATION OF SOLID  
CARBONACEOUS FUEL

**Inventor:**

Full name of Inventor: Yueying Fan

Inventor's signature: Yueying Fan Date 10/6/2015

Address: 2074 Pinecrest Drive, Morgantown, WV 26505

**Witness to Signature:**

Full name of Witness: Lisa A. Baker

Witness' Signature: Lisa A. Baker Date 10/06/15

Assignment to DOE regarding: S-141,946, filed as U.S. Application 14/870,051, filed September 30, 2015

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