

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3461836

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RANJANI V. SIRIWARDANE	05/30/2013
YUEYING . FAN	05/30/2013
RECEIVING PARTY DATA	
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
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14032628
CORRESPONDENCE DATA	
Fax Number:	(202)586-7127
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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Email:	katherine.baldwin@hq.doe.gov
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Address Line 2:	GC-62, 6F-048
Address Line 4:	WASHINGTON, D.C. 20585-0162
ATTORNEY DOCKET NUMBER:	S-134,096
NAME OF SUBMITTER:	KATHERINE BALDWIN
SIGNATURE:	/Katherine Baldwin/
DATE SIGNED:	07/30/2015
Total Attachments: 3	
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source=S-134096-ExecutedAssignment#page3.tif	

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 CHEMICAL LOOPING COMBUSTION
OF SOLID FUELS**

*, for which I/we have/will file an application for United States Letters Patent, identified
as: S-134,096 (filed as U.S. Application 14/032,628, filed September 20, 2013)*

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.*

Inventor:

Full name of Inventor: Ranjani V. Sriwardane

Inventor's signature: Ranjani V. Sriwardane Date May 30/2013

Address: 1361 Braewick Drive, Morgantown, WV, 26505

Witness to Signature:

Full name of Witness: Lisa A. Baker

Witness' Signature: Lisa A. Baker Date 5/30/13

Assignment to DOE regarding: S-134,096

METAL FERRITE OXYGEN CARRIERS FOR CHEMICAL LOOPING COMBUSTION
OF SOLID FUELS

Inventor:

Full name of Inventor: Yueying Fan

Inventor's signature: Yueying Fan Date May 30, 2013

Address: 2074 Pinecrest Drive, Morgantown, WV 26505


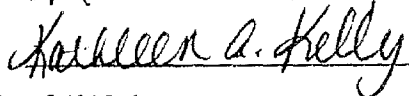
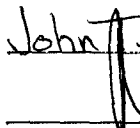

Witness to Signature:

Full name of Witness: Lisa A. Baker

Witness' Signature: Lisa A. Baker Date 5/30/13

Assignment to DOE regarding: S-134,096

METAL FERRITE OXYGEN CARRIERS FOR CHEMICAL LOOPING COMBUSTION
OF SOLID FUELS

Contractor Approval and Consent:		
Full Name:	Kevin S. Donovan	
Signature:		Date 5/31/13
Title:	Program Manager	
Organization:	URS Corp.	
Witness to Signature:		
Full name of Witness:	Kathleen A. Kelly	
Witness' Signature:		Date 5/31/13
Assignment to DOE regarding: S-134,096		
METAL FERRITE OXYGEN CARRIERS FOR CHEMICAL LOOPING COMBUSTION OF SOLID FUELS		
Government Acceptance:		
Accepted for the Benefit of the Government of the United States.		
Full Name:	John T. Lucas	
Signature:		Date 7/15/15
Title:	Assistant General Counsel for Technology Transfer and Intellectual Property	
Witness to Signature:		
Full name of Witness:	Katherine Baldwin	
Witness' Signature:		Date 7/15/15
Acceptance of assignment to DOE regarding: S-134,096		
METAL FERRITE OXYGEN CARRIERS FOR CHEMICAL LOOPING COMBUSTION OF SOLID FUELS		