

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4074373

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
RESEARCH TRIANGLE INSTITUTE	09/28/2016
RECEIVING PARTY DATA	
Name:	U.S. DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDENCE AVE., S.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14649540
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>	
Email:	brenda.banks@hq.doe.gov
Correspondent Name:	BRENDA K. BANKS
Address Line 1:	1000 INDEPENDENCE AVE.
Address Line 4:	WASHINGTON, D.C. 20585
NAME OF SUBMITTER:	BRENDA K. BANKS
SIGNATURE:	/BRENDA K. BANKS/
DATE SIGNED:	09/29/2016
Total Attachments: 1	
source=US14649540 confirmatory license#page1.tif	

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: Catalyst Compositions and Use Thereof in Catalytic Biomass Pyrolysis

Inventor(s): David C Dayton, John R Carpenter, Maruthi Sre Pavani

U.S. Filing/Issue Date: 12/04/2012 06/03/2015

Patent or Application Serial No.: 61/733,142 14/649,540

Grant/Contract Number(s): DE-AR0000021

Foreign Applications filed/intended in (countries): INDIA, CANADA, AUSTRALIA, EUR PATENT OFC, KOREA REP
OF, CHINA

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 28th day of September, 20 16.

By Dean T Woodward
(Institutional Business Official)

Dean T. Woodward
(Signature)

Title Asst GC, IP & Licensing

For RESEARCH TRIANGLE INSTITUTE
(Grantee/Contractor Organization)

At 3040 Cornwallis Road P. O. Box 12194 Research Triangle Park, NC 27709
(Business Address)