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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

MR



103671748

SET

S-130,791

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

UOP, LLC, A HONEYWELL COMPANY  
25 E. ALGONQUIN RD.  
DES PLAINES, IL 60016

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: United States Department of Energy

Internal Address: \_\_\_\_\_

Street Address: 1000 Independence Ave., S.W

City: Washington

State: D.C.

Country: USA Zip: 20585

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 12/09/2014

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

14/074,742

B. Patent No.(s)

8,853,477

Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Michael J. Dobbs

Internal Address: U. S. Dept. of Energy, IPLD

Street Address: 9800 S. Cass Ave

City: Argonne

State: IL Zip: 60439

Phone Number: 630-252-2164

Fax Number: 630-252-2779

Email Address: Confirmatory.License@ch.doe.gov

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

9. Signature:

Signature

3/25/2015

Date

John D. Cravero #71,245

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

**2**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



Department of Energy  
Office of Science  
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**CONFIRMATORY LICENSE**

Title of Invention: Catalytic Pyrolysis Using UZM-39 Aluminosilicate Zeolite  
Inventor(s): Christopher P. Nicholas and Edwin P. Bolding  
Patent Application Serial No: 14/074,742 Filing Date 11/8/2013  
Patent Number: 8,853,477 Issue Date: 10/7/2014  
Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable):  
Name of Contractor: UOP LLC, a Honeywell Company  
DOE Contract No. (i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable):  
DE-AC36-08GO28308, ZFT-0-40619-01  
DOE Case No.: S-130,791 Contractor Docket No.: H0033770-02

The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

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

Veronica M. May

Signed on: 12/9/14

Contractor Name UOP LLC, a Honeywell Company  
Official's Name Veronica May  
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