

Client/Matter No. 13030-8

# **RECORDATION FORM COVER SHEET PATENTS ONLY**

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)/Execution Date:**

BRIAN W. HEDRICK                      01-09-2008

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

**2. Name and Address of receiving Party(ies):**

Name: UOP LLC  
Street Address: 25 EAST ALGONQUIN ROAD  
City: DES PLAINES  
State: ILLINOIS  
Country: U.S.A. Zip: 60017-5017

Additional name(s) and addresses attached? ☒ Yes ☐ No

Name: BP CORPORATION NORTH AMERICA INC.  
Street Address: 4101 WINFIELD ROAD,  
MAIL CODE 5 EAST  
City: WARRENVILLE  
State: ILLINOIS  
Country: U.S.A. Zip: 60555

**3. Nature of Conveyance:**

Execution Date(s): 01-09-2008

☒ Assignment                      ☐ Change of Name                      ☐ Executive Order 9424, Confirmatory License

**4. Application or patent number(s).**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/962,740

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312) 321-4200  
(312) 321-4299 Fax

**6. Total number of applications and patents involved: 1**

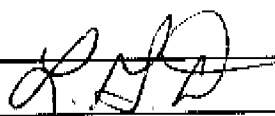
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☐ Authorized to be charged by credit card.  
☒ Authorized to be charged to Deposit Account No. 23-1925.

**8. Payment Information:**

a. ☐ Credit Card: Last 4 Numbers  
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Account Number: 23-1925  
Authorized User Name: Brinks Hofer Gilson & Lione

**9. Signature:**


Signature

Lawrence G. Almeda

Name of Person Signing

March 18, 2008

Date

Total number of pages including cover  
sheet, attachments, and documents: 4

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, VA 22313-1450

**PATENT**

700364497

REEL: 020670 FRAME: 0930

GH \$40.00 231925 11962740

Serial No. 11/962,740

Attorney Docket No. 13030-8  
UOP Reference No. MOI 109351  
BP Reference No. 39336-00

### ASSIGNMENT

WHEREAS, BRIAN W. HEDRICK, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled METHOD AND SYSTEM OF HEATING A FLUID CATALYTIC CRACKING UNIT HAVING A REGENERATOR AND A REACTOR, for a full description of which reference is here made to an application for Letters Patent of the United States filed on 12/21/2007 and assigned Application Serial No. 11/962,740;

WHEREAS, UOP LLC, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 25 East Algonquin Road, Des Plaines, Illinois 60017-5017; and BP CORPORATION NORTH AMERICA INC., a corporation organized and existing under the laws of the State of Indiana, having a place of business at 4101 Winfield Road, Mail Code 5 East, Warrenville, Illinois 60555; hereinafter called the "Assignees", desire to each acquire an equal and undivided right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignees is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignees, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and

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exclusive use and benefit of the Assignees, their successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenant and agree, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignees in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignees may elect to make covering the invention identified above; in vesting in the Assignees like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignees any and all additional papers which may be requested by the Assignees to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

DATED:

Jan 9, 2008

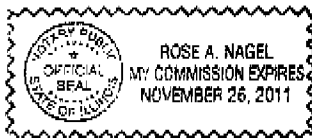
Brian W. Hedrick  
BRIAN W. HEDRICK

Serial No. 11/962,740

Attorney Docket No. 13030-8  
UOP Reference No. MOI 109351  
BP Reference No. 39336-00STATE OF Illinois )  
COUNTY OF McHenry ) ss.

I, Rose A Nagel, a Notary Public in and for the County and State aforesaid, do hereby certify that BRIAN W. HEDRICK, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this  
9<sup>th</sup> day of January, 2008.



Rose A Nagel  
Notary Public

My Commission Expires: 11-26-2011