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To the Director of the U.S. Patent

documents or the new address(es) below.

1. Name of conveying party(ies)
 Harold J. VINEGAR - January 3, 2007

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

2. Name and address of receiving party(ies)
 Name: Shell Oil Company
 Internal Address: Intellectual Property
 Street Address: 910 Louisiana
 City: Houston
 State: Texas
 Country: USA Zip: 77002

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

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

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)
 11/584,804

Additional numbers attached? Yes No

B. Patent No.(s)

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

Name: Shell Oil Company
 Internal Address: Intellectual Property
 Street Address: 910 Louisiana
 City: Houston
 State: Texas Zip: 77002
 Phone Number: (713) 241-3997
 Fax Number: (713) 241-6617
 Email Address: del.christensen@shell.com

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
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 11584804
 Expiration Date _____

b. Deposit Account Number 19-1800
 Authorized User Name Del S. Christensen

9. Signature: Del S. Christensen Signature
 Date January 9, 2007

Del S. Christensen
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents 3

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

FINANCE SECTION
2007 JAN 12 PM 1:25
OFFICE OF THE ASSISTANT COMMISSIONER
40.00
01/12/2007
01 FC-8021

ASSIGNMENT

WHEREAS, I, Harold J. Vinegar have made a certain improvement in **“SOLUTION MINING DAWSONITE FROM HYDROCARBON CONTAINING FORMATIONS WITH A CHELATING AGENT”** for which application papers for United States Patent thereon, identified as U.S. Patent Application Serial No. 11/584,804 filed October 20, 2006, have been executed by myself, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, I hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, I will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And I hereby agree that I will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name.

Witnesses:

Pamella K. Gady
M. Rabat

Harold J. Vinegar
Harold J. Vinegar
1/3/07
Date