

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Harold J. VINEGAR	05/09/2009
RECEIVING PARTY DATA	
Name:	SHELL OIL COMPANY
Street Address:	One Shell Plaza
Internal Address:	P.O. Box 2463
City:	Houston
State/Country:	TEXAS
Postal Code:	77252-2463
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12250373
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	TH3648(US)
NAME OF SUBMITTER:	Del S. Christensen
Total Attachments: 2 source=TH3648Assignment#page1.tif source=TH3648Assignment#page2.tif	

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ASSIGNMENT

WHEREAS, I, Harold J. Vinegar, have made a certain improvement in **“SOLUTION MINING AND IN SITU TREATMENT OF NAHCOLITE BEDS”** for which application papers for United States Patent thereon, identified as U.S. Patent Application Serial No. 12/250,373 filed October 13, 2008, 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:

Robert B. Vinegar

Robert B. Vinegar

Harold J. Vinegar
Harold J. Vinegar

May 9, 2009
Date