

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Ilya Emil Berchenko</td><td>09/18/2002</td></tr> <tr><td>Eric Pierre de Rouffignac</td><td>09/23/2002</td></tr> <tr><td>Thomas David Fowler</td><td>09/24/2002</td></tr> <tr><td>John Michael Karanikas</td><td>09/27/2002</td></tr> <tr><td>Robert Charles Ryan</td><td>09/18/2002</td></tr> <tr><td>Gordan Thomas Shahin, Jr.</td><td>09/26/2002</td></tr> <tr><td>George Leo Stegemeier</td><td>09/16/2002</td></tr> <tr><td>Harold J. Vinegar</td><td>09/24/2002</td></tr> <tr><td>Scott Lee Wellington</td><td>09/24/2002</td></tr> <tr><td>Etuan Zhang</td><td>09/16/2002</td></tr> </tbody> </table>		Name	Execution Date	Ilya Emil Berchenko	09/18/2002	Eric Pierre de Rouffignac	09/23/2002	Thomas David Fowler	09/24/2002	John Michael Karanikas	09/27/2002	Robert Charles Ryan	09/18/2002	Gordan Thomas Shahin, Jr.	09/26/2002	George Leo Stegemeier	09/16/2002	Harold J. Vinegar	09/24/2002	Scott Lee Wellington	09/24/2002	Etuan Zhang	09/16/2002
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RECEIVING PARTY DATA																							
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CORRESPONDENCE DATA																							
<p>Fax Number: (512)853-8801</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: jpitre@intprop.com</p> <p>Correspondent Name: Jackie Pitre</p> <p>Address Line 1: 700 Lavaca</p> <p>Address Line 2: Suite 800</p>																							

CH \$40.00 11809889

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PATENT
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ATTORNEY DOCKET NUMBER:

5659-14202

NAME OF SUBMITTER:

Eric B. Meyertons

Total Attachments: 3

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ASSIGNMENT

WHEREAS, we, Ilya Emil Berchenko, Eric Pierre de Rouffignac, Thomas David Fowler, John Michael Karanikas, Robert Charles Ryan, Gordon Thomas Shahin, Jr., George Leo Stegemeier, Harold J. Vinegar, Scott Lee Wellington, and Etuan Zhang, have made a certain improvement in **“IN SITU THERMAL PROCESSING OF AN OIL SHALE FORMATION USING A PATTERN OF HEAT SOURCES”** for which application papers for United States Patent thereon, identified as U.S. Patent Application Serial No. 10/131,286 filed April 24, 2002, have been executed by us, 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, we 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, we 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 we hereby agree that we 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, we have hereunto subscribed our names.

Witnesses:

[Signature]
John Ray
Joe Carl
9/18/02

[Signature]
Ilya Emil Berchenko
09/18/02
Date

[Signature]
Eric Pierre de Rouffignac
Sept. 23, '02
Date

NOC# I. ARONSTAM

[Signature]
Thomas David Fowler

Aria Rados

9/24/2002
Date

[Signature]
Timothy John

[Signature]
John Michael Karanikas
9/27/02
Date

John I. Ray
[Signature]

[Signature]
Robert Charles Ryan
9/18/02
Date

[Signature]
[Signature]

[Signature]
Gordon Thomas Shahin, Jr.
9-26-02
Date

Witnesses:

Kathleen Klasing
Joe Carls

George Leo Stegemeier
George Leo Stegemeier

9/16/02
Date

Jan Myer
Marie Rader

Harold J. Vinegar
Harold J. Vinegar

9/24/02
Date

Bruce Felt
Linda L. Lee

Scott Lee Wellington
Scott Lee Wellington

9/24/02
Date

Kathleen Klasing
Joe Carls

Etuan Zhang
Etuan Zhang

9/16/02
Date