



03-25-2003



102399392

To the Honorable Commissioner of Patents and Trademarks. I

Transmitted original documents or copy thereof.

1. Name of conveying party(ies):

3-17-03

Harold J. Vinegar, Scott Lee Wellington, Eric Pierre de Rouffignac, Ilya Emil Berchenko, Etuan Zhang, Thomas David Fowler, and Robert Charles Ryan

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

2. Name and address of receiving party(ies):

Name: Shell Oil Company

Internal Address: _____

Street Address: P. O. Box 2463

City Houston State Texas ZIP 77252-8463

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

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other _____
- Merger
- Change of Name

Execution Date: February 3, 2003

4. Application number:

If this document is being filed together with a new application, the filing date of this application is:

A. Patent Application No.(s) 10/279,230 filed October 24, 2002 and entitled:
IN SITU THERMAL PROCESSING OF AN OIL RESERVOIR FORMATION

Additional numbers attached? Yes No

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

Eric B. Meyertons
Meyertons, Hood, Kivlin, Kowert & Goetzl, P.C.
P.O. Box 398
Austin, TX 78767-0398

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 40.00

- Authorized to be charged to deposit account
- Fee previously paid

8. Deposit account number: 19-1800/TH2172y
(Attach a duplicate copy of this page if paying by deposit account)

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9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David W. Quimby
Name of Person Signing
Reg. No. 39,338

David W. Quimby
Signature

MARCH 10, 2003
Date

Total number of sheets (including cover sheet, attachments, and documents): 5

OMB No. 0651-011 (exp. 4/94)

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ASSIGNMENT

WHEREAS, we, Harold J. Vinegar, Scott Lee Wellington, Eric Pierre de Rouffignac, Ilya Emil Berchenko, Etuan Zhang, Thomas David Fowler, and Robert Charles Ryan, have made a certain improvement in **“IN SITU THERMAL PROCESSING OF AN OIL RESERVOIR FORMATION”** for which application papers for United States Patent thereon, identified as U.S. Patent Application Serial No. 10/279,230 filed October 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:

Michele Danzale

Harold J. Vinegar
Harold J. Vinegar

Elvyn Rigg

Jan. 31, 2003
Date

[Signature]
[Signature]

Scott Lee Wellington
Scott Lee Wellington

Feb. 3, 2003
Date

Eric Pierre de Rouffignac

Date

Eva M. Juale
Robert J. Jor

Ilya
Ilya Emil Berchenko
Jan 30 2003
Date

Saura McGearty
Arl Hess

Etuan Zhang
Etuan Zhang
2/3/03
Date

Jan. I. Pan
[Signature]

Thomas David Fowler
Thomas David Fowler
1/20/2003
Date

Witnesses:

Harold J. Vinegar

Date

Scott Lee Wellington

Date

S. Huisman
PH?

Eric Pierre de Rouffignac
Eric Pierre de Rouffignac

1/29/02

Date

Ilya Emil Berchenko

Date

Etuan Zhang

Date

Thomas David Fowler

Date

Witnesses:

Jean F. Pary

Robert Charles Ryan
Robert Charles Ryan

Wall S. Christensen 1/28/03
Date