

03-21-2003



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TH1669

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

3-19-03

Harold J. VINEGAR - Sept. 7, 2001
Robert Rex BURNETT - Sept. 10, 2001
William Mount Joy SAVAGE - Sept. 10, 2001
Frederick Gordon CARL, Jr. - Sept. 10, 2001

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

Shell Oil Company
P.O. Box 2463
910 Louisiana
Houston, Texas 77252-2463

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

3. Nature of Conveyance:

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

Execution Date: September 7 & 10, 2001

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

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

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

A. Patent Application No(s). 09/768,656

B. Patent No(s)

Additional numbers attached? Yes No

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

Name: Nellie A. Fisher
Shell Oil Company
Intellectual Property
P.O. Box 2463
910 Louisiana
Houston, Texas 77252-2463

6. Total number of applications and patents involved:

FINANCE SECTION

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

19-1800

(Attach 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.

Nellie A. Fisher
Name of Person Signing

[Signature]
Signature

March 3, 2003
Date

Total number of pages including cover sheet, attachments, and document: 3

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on 3-14-03 by [Signature]

ASSIGNMENT

WHEREAS, we, HAROLD J. VINEGAR, ROBERT REX BURNETT, WILLIAM MOUNTJOY SAVAGE, and FREDERICK GORDON CARL, Jr., have made a certain improvement in SYSTEM AND METHOD FOR FLUID FLOW OPTIMIZATION, for which application papers for United States Patent thereon, identified as TH-1669 (US), 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:

Harold J. Vinegar
Harold J. Vinegar

9/7/01

Date

Robert Rex Burnett
Robert Rex Burnett

9/10/01
Date

Jinda J. Ingalls
(Witness)

Ashley Bowen
(Witness)

N. Reil
(Witness)

Aminda A. Ree
(Witness)

William Mountjoy Savage

William Mountjoy Savage

Date 9/10/01

Frederick Gordon Carl, Jr.

Frederick Gordon Carl, Jr.

Date 9/10/01

N. Reil

(Witness)

Shirley L. Lee

(Witness)

N. Reil

(Witness)

Shirley L. Lee

(Witness)