

07-09-2002

FORM PTO-1595
(Rev. 6-93)U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
TH1412 (US)

102149819

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

1. Name of conveying party(ies):

John Frederick KNIFTON - June 10, 2002
Talmadge Gail JAMES - June 11, 2002
Kevin Dale ALLEN - June 20, 2002
Paul Richard WEIDER - June 10, 2002
Joseph Broun POWELL - June 11, 2002
Lynn Henry SLAUGH - June 17, 2002
Timothy WILLIAMS - June 11, 2002

7.3.02

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

Shell Oil Company
P.O. Box 2463
900 Louisiana
Houston, Texas 77252-2463Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒
- Assignment
- ☐
- Merger
-
- ☐
- Security Agreement
- ☐
- Change of Name
-
- ☐
- Other

Execution Date: June 10, 11, 17, and 20, 2002

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).

10/146,590

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Donald F. Haas
Shell Oil Company
Intellectual Property
P.O. Box 2463
910 Louisiana
Houston, Texas 77252-2463

6. Total number of applications and patents involved:

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.

Donald F. Haas

Name of Person Signing

Signature

Date

6-26-02

Total number of pages including cover sheet, attachments, and document: 2

07/09/2002 GTDN11 00000213 191800 10146590

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PATENT
REEL: 013053 FRAME: 0103

ASSIGNMENT

WHEREAS, we, John Frederick Knifton, Talmadge Gail James, Kevin Dale Allen, Paul Richard Weider, Joseph Broun Powell, Lynn Henry Slaugh, and Timothy Williams, have made a certain improvement in ONE-STEP PRODUCTION OF 1,3-PROPANEDIOL FROM ETHYLENE OXIDE AND SYNGAS WITH A CATALYST WITH A N-HETEROCYCLIC LIGAND for which application papers for United States Patent thereon, identified as TH1412 (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:

John Frederick Knifton
JOHN FREDERICK KNIFTON

June 10th 2002
Date

Talmadge Gail James
TALMADGE GAIL JAMES

June 11, 2002
Date

Michael W. Poller
(Witness)

Charles R. Donaho
(Witness)

Jack H. Thier
(Witness)

Charles R. Donaho
(Witness)

Kevin Dale Allen
KEVIN DALE ALLEN

6/20/02
Date

Paul Richard Weider
PAUL RICHARD WEIDER

6/10/02
Date

Joseph Broun Powell
JOSEPH BROUN POWELL

6/11/02
Date

Lynn Henry Slaugh
LYNN HENRY SLAUGH

6/17/02
Date

Timothy Williams
TIMOTHY WILLIAMS

6/14/02
Date

Wendy M. Duke
(Witness)

John Givens
(Witness)

Ann M. Loutfy
(Witness)

Dean A. Keener
(Witness)

Sam Sutinjin
(Witness)

William W. Gloucester
(Witness)

Paul R. Cato
(Witness)

Daniel J. Janitor
(Witness)

Daniel J. Janitor
(Witness)

Paul R. Cato
(Witness)