

6/7/04

06-09-2004

FORM PTO-1595  
(Rev. 6-93)U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
TH2284 (US)

102760977

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

## 1. Name of conveying party(ies):

Bernardus Maria GEERTSHUIS - May 13, 2004  
Rene SAMSON - May 18, 2004  
Jason Andrew HORWEGE - February 19, 2004  
Ye Mon Chen - February 19, 2004

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

Shell Oil Company  
P.O. Box 2463  
910 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  
☐ OtherExecution Date: February 19, 2004 and May 13 & 18, 2004Additional 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).

10/772,624

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Charles W. Stewart  
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)

DO NOT USE THIS SPACE

## 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.*Charles W. Stewart

Name of Person Signing

Charles W. Stewart

Signature

3 June 2004

Date

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

06/08/2004 ECOOPER 00000065 191800 10772624

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40.00 DA

PATENT  
REEL: 015426 FRAME: 0125

ASSIGNMENT

WHEREAS, WE, BERNARDUS MARIA GEERTSHUIS, JASON ANDREW HORWEGE, YE MON CHEN AND RENE SAMSON, have made a certain improvement in PROTECTIVE SHROUD FOR FCC FEED NOZZLES AND METHOD FOR DESIGNING SUCH SHROUD for which application papers for United States Patent thereon, identified as TH2284 (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;

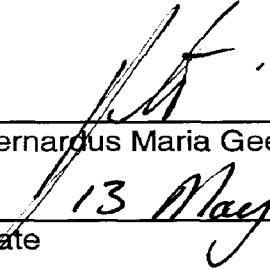
NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those 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.

  
\_\_\_\_\_  
Bernardus Maria Geertshuis  
13 May 2004  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Jason Andrew Horwege

\_\_\_\_\_  
Date


\_\_\_\_\_  
Ye Mon Chen

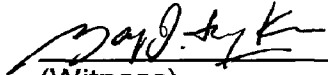
\_\_\_\_\_  
Date

\_\_\_\_\_  
Rene Samson

\_\_\_\_\_  
Date

Witnesses:

  
\_\_\_\_\_  
(Witness)

 YAP, HUANG KOON  
\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Witness)

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(Witness)

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(Witness)

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(Witness)

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(Witness)

IN TESTIMONY WHEREOF, we have hereunto subscribed our names.

Witnesses:

\_\_\_\_\_  
Bernardus Maria Geertshuis

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Jason Andrew Horwege

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Ye Mon Chen

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Rene Samson

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

*R. Samson*

*18/05/2004*

*[Signature]*

*[Signature]*

ASSIGNMENT

WHEREAS, WE, BERNARDUS MARIA GEERTSHUIS, JASON ANDREW HORWEGE, YE MON CHEN AND RENE SAMSON, have made a certain improvement in PROTECTIVE SHROUD FOR FCC FEED NOZZLES AND METHOD FOR DESIGNING SUCH SHROUD for which application papers for United States Patent thereon, identified as TH2284 (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:

\_\_\_\_\_  
Bernardus Maria Geertshuis

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)

Jason Andrew Horwege  
Jason Andrew Horwege

Sheila Arrington  
(Witness)

2/19/04  
Date

Sheila Arrington  
(Witness)

Ye Mon Chen  
Ye Mon Chen

Sheila Arrington  
(Witness)

2/19/04  
Date

Sheila Arrington  
(Witness)

\_\_\_\_\_  
Rene Samson

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Witness)