

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael Anthony REYNOLDS</td> <td>12/06/2012</td> </tr> <tr> <td>Eswarachandra Kumar PARUCHURI</td> <td>12/07/2012</td> </tr> <tr> <td>Scott Lee WELLINGTON</td> <td>12/07/2012</td> </tr> <tr> <td>Ann Marie LAURITZEN</td> <td>12/05/2012</td> </tr> <tr> <td>Stanley Nemec MILAM</td> <td>12/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Michael Anthony REYNOLDS	12/06/2012	Eswarachandra Kumar PARUCHURI	12/07/2012	Scott Lee WELLINGTON	12/07/2012	Ann Marie LAURITZEN	12/05/2012	Stanley Nemec MILAM	12/06/2012
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Stanley Nemec MILAM	12/06/2012												
RECEIVING PARTY DATA													
Name:	SHELL OIL COMPANY												
Street Address:	P.O. BOX 2463												
Internal Address:	ONE SHELL PLAZA												
City:	Houston												
State/Country:	TEXAS												
Postal Code:	772522463												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13678104</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13678104								
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CORRESPONDENCE DATA													
Fax Number:	7132416617												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	7132413558												
Email:	cathy.callen@shell.com												
Correspondent Name:	SHELL OIL COMPANY												
Address Line 1:	P O BOX 2463												
Address Line 2:	ONE SHELL PLAZA												
Address Line 4:	HOUSTON, TEXAS 77252-2463												
ATTORNEY DOCKET NUMBER:	TH4008USA												

CH \$40.00 13678104

NAME OF SUBMITTER:

Richard B. Taylor

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, Michael Anthony REYNOLDS; Eswarachandra Kumar PARUCHURI; Scott Lee WELLINGTON; Ann Marie LAURITZEN; Stanley Nemecc MILAM, have made a certain improvement in METHOD OF PRODUCING SULFUR DIOXIDE for which application papers for United States Patent thereon, identified as TH4008 (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:

Michael Anthony Reynolds  
Michael Anthony REYNOLDS  
12/6/2012  
Date

Michelle Michelle Freeman  
(Witness)  
Stanley Nemeec Milam  
(Witness)

Eswarachandra Kumar Paruchuri  
Eswarachandra Kumar PARUCHURI  
12/7/2012  
Date

Thomas Kubrick  
(Witness)  
Stanley Nemeec Milam  
(Witness)

Scott Lee Wellington  
Scott Lee WELLINGTON  
12/7/12  
Date

Thomas Kubrick  
(Witness)  
Stanley Nemeec Milam  
(Witness)

Ann Marie LAURITZEN  
  
Date

(Witness)  
  
(Witness)

Stanley Nemeec Milam  
Stanley Nemeec MILAM  
6 December 2012  
Date

Michael Anthony Reynolds  
(Witness)  
Michelle Michelle Freeman  
(Witness)

ASSIGNMENT

WHEREAS, we, Michael Anthony REYNOLDS; Eswarachandra Kumar PARUCHURI; Scott Lee WELLINGTON; Ann Marie LAURITZEN; Stanley Nemeec MILAM, have made a certain improvement in METHOD OF PRODUCING SULFUR DIOXIDE for which application papers for United States Patent thereon, identified as TH4008 (US), have been executed by us, and,

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Michael Anthony REYNOLDS

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

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Eswarachandra Kumar PARUCHURI

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

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Scott Lee WELLINGTON

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

\_\_\_\_\_  
Date

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

*Ann Marie Lauritzen*  
\_\_\_\_\_  
Ann Marie LAURITZEN

*[Signature]*  
\_\_\_\_\_  
(Witness)

*Dec. 5, 2012*  
\_\_\_\_\_  
Date

*[Signature]*  
\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Stanley Nemec MILAM

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

\_\_\_\_\_  
Date

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