

## 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>Francis Marion STONE Jr.</td> <td>08/21/2013</td> </tr> <tr> <td>Charles R. GOODWIN</td> <td>08/15/2013</td> </tr> <tr> <td>James Eugene RICHARD Jr.</td> <td>08/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Francis Marion STONE Jr.	08/21/2013	Charles R. GOODWIN	08/15/2013	James Eugene RICHARD Jr.	08/21/2013
Name	Execution Date								
Francis Marion STONE Jr.	08/21/2013								
Charles R. GOODWIN	08/15/2013								
James Eugene RICHARD Jr.	08/21/2013								
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:	77252-2463								
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>13902129</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13902129				
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Application Number:	13902129								
CORRESPONDENCE DATA									
Fax Number:	7132416617								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	7132413529								
Email:	CHARLES.WISE@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:	TH3234-US-CNT								
NAME OF SUBMITTER:	Del S. Christensen								
Signature:	/Del S. Christensen/								

CH \$40.00 13902129

PATENT

Date:

08/26/2013

**Total Attachments: 6**

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ASSIGNMENT

WHEREAS, we, Francis Marion STONE Jr., Charles R. GOODWIN, and James Eugene RICHARD Jr., have made a certain improvement in ALTERNATE ENERGY SOURCE USAGE FOR IN SITU HEAT TREATMENT PROCESSES for which application papers for United States Patent thereon, identified as TH3234-US-CNT, 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:

Francis Marion Stone, Jr.  
Francis Marion STONE Jr.

8-21-2013  
Date

[Signature]  
(Witness)

Cathy Callen  
(Witness)

\_\_\_\_\_  
Charles R. GOODWIN

\_\_\_\_\_  
Date

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

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

\_\_\_\_\_  
James Eugene RICHARD Jr.

\_\_\_\_\_  
Date

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

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

ASSIGNMENT

WHEREAS, we, Francis Marlon STONE Jr., Charles R. GOODWIN, and James Eugene RICHARD Jr., have made a certain improvement in ALTERNATE ENERGY SOURCE USAGE FOR IN SITU HEAT TREATMENT PROCESSES for which application papers for United States Patent thereon, identified as TH3234-US-CNT, have been executed by us, and,

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Witnesses:

Francis Marion STONE Jr.

(Witness)

Date

(Witness)



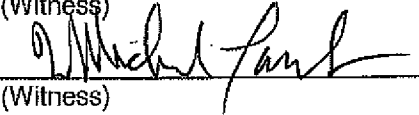
Charles R. GOETWIN



(Witness)

8/15/13

Date



(Witness)

James Eugene RICHARD Jr.

(Witness)

Date

(Witness)

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Witnesses:

Francis Marion STONE Jr.

(Witness)

Date

(Witness)

Charles R. GOODWIN

(Witness)

Date

(Witness)

*James E. Richard, Jr.*  
James Eugene RICHARD Jr.

*[Signature]*  
(Witness)

*August 21, 2013*  
Date

*Cathy Callen*  
(Witness)