

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Dane Clark GRENoble</td> <td>11/17/2011</td> </tr> <tr> <td>Paul Benjerman HIMELFARB</td> <td>11/17/2011</td> </tr> <tr> <td>Michael Norris TREYBIG</td> <td>01/05/2012</td> </tr> <tr> <td>Brian Scott VANDERWILP</td> <td>11/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Dane Clark GRENoble	11/17/2011	Paul Benjerman HIMELFARB	11/17/2011	Michael Norris TREYBIG	01/05/2012	Brian Scott VANDERWILP	11/17/2011		
Name	Execution Date												
Dane Clark GRENoble	11/17/2011												
Paul Benjerman HIMELFARB	11/17/2011												
Michael Norris TREYBIG	01/05/2012												
Brian Scott VANDERWILP	11/17/2011												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>SHELL OIL COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>P.O. BOX 2463</td> </tr> <tr> <td>Internal Address:</td> <td>ONE SHELL PLAZA</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>772522463</td> </tr> </table>		Name:	SHELL OIL COMPANY	Street Address:	P.O. BOX 2463	Internal Address:	ONE SHELL PLAZA	City:	Houston	State/Country:	TEXAS	Postal Code:	772522463
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>13376531</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13376531								
Property Type	Number												
Application Number:	13376531												
CORRESPONDENCE DATA													
<p>Fax Number: (713)241-6617 Phone: 7132415581 Email: cathy.callen@shell.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: SHELL OIL COMPANY Address Line 1: P O BOX 2463 Address Line 2: ONE SHELL PLAZA Address Line 4: HOUSTON, TEXAS 772522463</p>													
ATTORNEY DOCKET NUMBER:	TH3714USAP												
NAME OF SUBMITTER:	James D. Carruth												
<p>Total Attachments: 3 source=TH3714-Assignment#page1.tif source=TH3714-Assignment#page2.tif source=TH3714-Assignment#page3.tif</p>													

CH \$40.00 13376531

PATENT

ASSIGNMENT

WHEREAS I/we,

GRENOBLE, Dane Clark
HIMELFARB, Paul Benjerman
TREYBIG, Michael Norris
VANDERWILP, Brian Scott

have invented a certain improvement in

A PROCESS FOR THE SELECTIVE HYDROGENATION AND HYDRODESULFERIZATION OF A
PYROLYSIS GASOLINE FEEDSTOCK

WHEREAS I/we have executed an application for Letters Patent in the United States in
connection with this invention.

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, is desirous of acquiring all rights
to this invention in the United States:

NOW THEREFORE for valuable consideration received, I/we hereby assign to SHELL OIL
COMPANY, its successors and assigns, all rights to this invention in the United States of America,
including all rights in the above-mentioned application and any patent which may be issued thereon in
the United States and any other application which may be filed or patent which may be issued in the
United States.

AND I/we hereby agree that I/we will upon request execute any instrument which SHELL OIL
COMPANY desires to carry this assignment into effect and perfect the title transferred hereby to
prosecute the above-mentioned application.

AND the Commissioner of Patents of the United States is hereby authorized to issue Letters
Patent of said application to the Assignee.

Dated this 17TH day of November, 2011

GRENOBLE	> <u>Dane C Grenoble</u>	2 witnesses: <u>Blata Simuni-Grenoble</u> <u>Brian Dullin</u>
HIMELFARB	>	2 witnesses:
TREYBIG	>	2 witnesses:
VANDERWILP	>	2 witnesses:

:

ASSIGNMENT

WHEREAS I/we,

GRENOBLE, Dane Clark
HIMELFARB, Paul Benjerman
TREYBIG, Michael Norris
VANDERWILP, Brian Scott

have invented a certain improvement in

A PROCESS FOR THE SELECTIVE HYDROGENATION AND HYDRODESULFERIZATION OF A
PYROLYSIS GASOLINE FEEDSTOCK

WHEREAS I/we have executed an application for Letters Patent in the United States in
connection with this invention.

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, is desirous of acquiring all rights
to this invention in the United States:

NOW THEREFORE for valuable consideration received, I/we hereby assign to SHELL OIL
COMPANY, its successors and assigns, all rights to this invention in the United States of America,
including all rights in the above-mentioned application and any patent which may be issued thereon in
the United States and any other application which may be filed or patent which may be issued in the
United States.

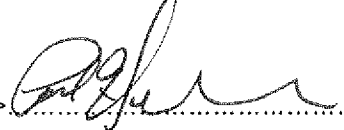
AND I/we hereby agree that I/we will upon request execute any instrument which SHELL OIL
COMPANY desires to carry this assignment into effect and perfect the title transferred hereby to
prosecute the above-mentioned application.

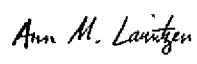

AND the Commissioner of Patents of the United States is hereby authorized to issue Letters
Patent of said application to the Assignee.

Dated ~~17th~~ this 17th day of November 2011

GRENOBLE >

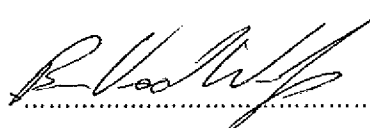
2 witnesses:

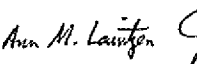

HIMELFARB > 

2 witnesses: Ann M. Lantgen  

TREYBIG >

2 witnesses:

VANDERWILP > 

2 witnesses: Ann M. Lantgen  

:

ASSIGNMENT

WHEREAS I/we,

GRENOBLE, Dane Clark
HIMELFARB, Paul Benjerman
TREYBIG, Michael Norris
VANDERWILP, Brian Scott

have invented a certain improvement in

A PROCESS FOR THE SELECTIVE HYDROGENATION AND HYDRODESULFURIZATION OF A
PYROLYSIS GASOLINE FEEDSTOCK

WHEREAS I/we have executed an application for Letters Patent in the United States in
connection with this invention.

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, is desirous of acquiring all rights
to this invention in the United States:

NOW THEREFORE for valuable consideration received, I/we hereby assign to SHELL OIL
COMPANY, its successors and assigns, all rights to this invention in the United States of America,
including all rights in the above-mentioned application and any patent which may be issued thereon in
the United States and any other application which may be filed or patent which may be issued in the
United States.

AND I/we hereby agree that I/we will upon request execute any instrument which SHELL OIL
COMPANY desires to carry this assignment into effect and perfect the title transferred hereby to
prosecute the above-mentioned application.

AND the Commissioner of Patents of the United States is hereby authorized to issue Letters
Patent of said application to the Assignee.

Dated this 5th day of January 2012

GRENOBLE >..... 2 witnesses:

HIMELFARB >..... 2 witnesses:

TREYBIG >..... 2 witnesses:

VANDERWILP >..... 2 witnesses:

: