PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2862169

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSEPH BROUN POWELL	05/02/2014
GLENN CHARLES KOMPLIN	05/02/2014
JOHN ANTHONY SMEGAL	04/22/2014
KIMBERLY ANN JOHNSON	05/02/2014

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:	77005

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14133704

CORRESPONDENCE DATA

Fax Number: (713)241-6617

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7132415593

Email: cathy.callen@shell.com **Correspondent Name:** SHELL OIL COMPANY

P O BOX 2463 Address Line 1: Address Line 2: ONE SHELL PLAZA

Address Line 4: **HOUSTON, TEXAS 77252-2463**

ATTORNEY DOCKET NUMBER:	TH5403-US-NP
NAME OF SUBMITTER:	YUKIKO IWATA
SIGNATURE:	/Yukiko lwata/
DATE SIGNED:	05/20/2014

Total Attachments: 4

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PATENT REEL: 032928 FRAME: 0702

ASSIGNMENT

WHEREAS, I, POWELL, Joseph Broun, KOMPLIN, Glenn Charles, SMEGAL, John Anthony and JOHNSON, Kimberly Ann, have made a certain improvement in, HYDROTHERMAL HYDROCATALYTIC TREATMENT OF BIOMASS USING WATER TOLERANT CATALYSTS, for which application papers for United States Patent thereon, identified as 14/133704, 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.

Joseph Broup POWELL

5/02/14

Date `

Glenn Charles KOMPLIN

5/02/14

Witnesses

(Witness)

7 / 40

(Witness

(Witness)

(vvidiess)

TH5403-US-NP

	vvitnesses:
John Anthony SMEGAL	(Witness)
Date	(Witness)
Kimberly Ann JOHNSON	2 Merosa Brown (Witness)
5-2-K+	Marte Lalansky John
Date	(Witness)

ASSIGNMENT

WHEREAS, I, POWELL, Joseph Broun, KOMPLIN, Glenn Charles, SMEGAL, John Anthony and JOHNSON, Kimberly Ann, have made a certain improvement in, HYDROTHERMAL HYDROCATALYTIC TREATMENT OF BIOMASS USING WATER TOLERANT CATALYSTS, for which application papers for United States Patent thereon, identified as 14/133704, 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.

	vvitnesses:	
Joseph Broun POWELL	(Witness)	
Date	(Witness)	
Glenn Charles KOMPLIN	(Witness)	
Date	(Witness)	

PATENT REEL: 032928 FRAME: 0705

TH5403-US-NP

John Anthony SMEGAL 14 / 22/2014 Date	Witnesses: (Witness) Witness)
Kimberly Ann JOHNSON	(Witness)
Date	(Witness)