

# PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2844827

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>PEN-CHUNG WANG</td><td>05/05/2014</td></tr><tr><td>ROBERT LAWRENCE BLACKBOURN</td><td>05/05/2014</td></tr><tr><td>PAUL RICHARD WEIDER</td><td>05/02/2014</td></tr></tbody></table>	Name	Execution Date	PEN-CHUNG WANG	05/05/2014	ROBERT LAWRENCE BLACKBOURN	05/05/2014	PAUL RICHARD WEIDER	05/02/2014	
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PEN-CHUNG WANG	05/05/2014								
ROBERT LAWRENCE BLACKBOURN	05/05/2014								
PAUL RICHARD WEIDER	05/02/2014								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	SHELL OIL COMPANY								
<b>Street Address:</b>	P. O. BOX 2463								
<b>Internal Address:</b>	ONE SHELL PLAZA								
<b>City:</b>	HOUSTON								
<b>State/Country:</b>	TEXAS								
<b>Postal Code:</b>	772522463								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14207736</td></tr></tbody></table>	Property Type	Number	Application Number:	14207736					
Property Type	Number								
Application Number:	14207736								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(713)241-6617								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
<b>Phone:</b>	7132415593								
<b>Email:</b>	cathy.callen@shell.com								
<b>Correspondent Name:</b>	SHELL OIL COMPANY								
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<b>Address Line 2:</b>	ONE SHELL PLAZA								
<b>Address Line 4:</b>	HOUSTON, TEXAS 77252-2463								
<b>ATTORNEY DOCKET NUMBER:</b>	TH5319-US-NP								
<b>NAME OF SUBMITTER:</b>	YUKIKO IWATA								
<b>SIGNATURE:</b>	/Yukiko Iwata/								
<b>DATE SIGNED:</b>	05/07/2014								
<b>Total Attachments: 2</b>									
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source=TH5319-Assignment#page2.tif									

ASSIGNMENT

WHEREAS, we, (inventors) **WEIDER**, Paul Richard, a citizen of the United States of America, of 15014 Tramore Drive, Houston, Texas 77083, USA. **WANG**, Pen-Chung, a citizen of the United States of America, of 13603 Pinerock Lane, HOUSTON, Texas 77079, USA. **BLACKBOURN**, Robert Lawrence, a citizen of the United States of America, of 16410 Battlecreek Drive, Houston, Texas 77095, USA, have made a certain improvement in (Title) **METHOD OF SEPARATING LIGNIN DERIVED COMPOUNDS FROM PYROLYSIS OIL**

for which application papers for United States Patent thereon, identified as \_\_\_\_\_ (matter no.), 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;

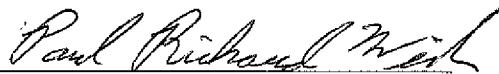
NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those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

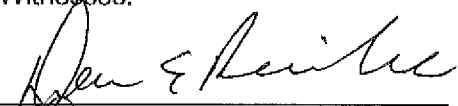
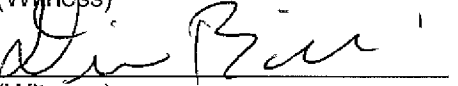
With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company 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.

  
Name: **WEIDER**, Paul Richard  
5/2/2014  
Date

Witnesses:  
  
(Witness)  
  
(Witness)

Pen-Chung Wang  
Name: WANG, Pen-Chung  
5-5-2014  
Date

Michael Beasley  
(Witness)  
Jim Bair  
(Witness)

Robert Lawrence Blackburn  
Name: BLACKBOURN, Robert Lawrence  
5/5/2014  
Date

Michael Beasley  
(Witness)  
Jim Bair  
(Witness)