

## 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>Benjamin S. Umansky</td><td>07/29/2011</td></tr><tr><td>Richard C. Dougherty</td><td>08/08/2011</td></tr><tr><td>Michael A. Hayes</td><td>08/15/2011</td></tr><tr><td>William E. Lewis</td><td>08/02/2011</td></tr></tbody></table>	Name	Execution Date	Benjamin S. Umansky	07/29/2011	Richard C. Dougherty	08/08/2011	Michael A. Hayes	08/15/2011	William E. Lewis	08/02/2011	
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Benjamin S. Umansky	07/29/2011										
Richard C. Dougherty	08/08/2011										
Michael A. Hayes	08/15/2011										
William E. Lewis	08/02/2011										
RECEIVING PARTY DATA											
Name:	ExxonMobil Research and Engineering Company										
Street Address:	1545 Route 22 East										
Internal Address:	P.O. Box 900										
City:	Annandale										
State/Country:	NEW JERSEY										
Postal Code:	08801-0900										
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>13168240</td></tr></tbody></table>	Property Type	Number	Application Number:	13168240							
Property Type	Number										
Application Number:	13168240										
CORRESPONDENCE DATA											
Fax Number:	(908)730-3649										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	908-730-3202										
Email:	jocelyn.k.justice@exxonmobil.com										
Correspondent Name:	ExxonMobil Research & Engineering Co.										
Address Line 1:	1545 Route 22 East										
Address Line 2:	P.O. Box 900										
Address Line 4:	Annandale, NEW JERSEY 08801-0900										
ATTORNEY DOCKET NUMBER:	2010EM176 US-2										
NAME OF SUBMITTER:	David M. Weisberg										
Total Attachments: 2 source=2010EM176 US-2 USSN ASSIGNMENT 13-168240#page1.tif source=2010EM176 US-2 USSN ASSIGNMENT 13-168240#page2.tif											

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PATENT  
REEL: 026870 FRAME: 0465

ASSIGNMENT  
INVENTOR or INVENTORS:

Benjamin S. Umansky

Richard C. Dougherty

Michael A. Hayes

William E. Lewis

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED's invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

TWO STAGE HYDROPROCESSING WITH DIVIDED WALL COLUMN FRACTIONATOR

said application having been executed on the 29th day(s) of July 2011, and being further identified as Case Number 2010EM176-US2; and all rights of priority created by said application under provisions of international conventions or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date 7/29/2011

Inventor [Signature] (LS)  
Benjamin S. Umansky

Witness [Signature]

Date 8-9-2011

Inventor [Signature] (LS)  
Richard C. Dougherty

Witness Diane Stracka

Date 8-15-2011

Inventor [Signature] (LS)  
Michael A. Hayes

Witness Diane Stracka

Date \_\_\_\_\_

Inventor \_\_\_\_\_ (LS)  
William E. Lewis

Witness \_\_\_\_\_

Date \_\_\_\_\_

Inventor \_\_\_\_\_ (LS)

Witness \_\_\_\_\_

Date \_\_\_\_\_

Inventor \_\_\_\_\_ (LS)

Witness \_\_\_\_\_



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PATENT TRADEMARK OFFICE

PATENT

REEL: 026870 FRAME: 0466

Family Number: 2010EM176-US2

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Date \_\_\_\_\_ Inventor Benjamin S. Umansky (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor Richard C. Dougherty (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor Michael A. Hayes (LS) Witness \_\_\_\_\_

Date 8-2-2011 Inventor William E. Lewis (LS) Witness William E. Lewis

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

