

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>John D. Hearn</td> <td>12/19/2012</td> </tr> <tr> <td>Michael E. Fitzpatrick</td> <td>02/26/2013</td> </tr> <tr> <td>Miraj S. Patel</td> <td>12/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	John D. Hearn	12/19/2012	Michael E. Fitzpatrick	02/26/2013	Miraj S. Patel	12/19/2012
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John D. Hearn	12/19/2012								
Michael E. Fitzpatrick	02/26/2013								
Miraj S. Patel	12/19/2012								
RECEIVING PARTY DATA									
Name:	Equistar Chemicals, LP								
Street Address:	1221 McKinney Street								
Internal Address:	LyondellBasell Tower								
City:	Houston								
State/Country:	TEXAS								
Postal Code:	77010								
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>13720539</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13720539				
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CORRESPONDENCE DATA									
Fax Number:	7133094631								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	7133094369								
Email:	legal-IP@lyondellbasell.com								
Correspondent Name:	LyondellBasell Industries Legal IP Depar								
Address Line 1:	1221 McKinney Street, Suite 700								
Address Line 2:	LyondellBasell Tower								
Address Line 4:	Houston, TEXAS 77010								
ATTORNEY DOCKET NUMBER:	01-2807A								
NAME OF SUBMITTER:	Diane L. Kilpatrick-Lee								
<p>Total Attachments: 4</p> <p>source=01-2807A-US executed Assignment from Hearn, Fitzpatrick, Patel to Equistar#page1.tif</p> <p>source=01-2807A-US executed Assignment from Hearn, Fitzpatrick, Patel to Equistar#page2.tif</p> <p>source=01-2807A-US executed Assignment from Hearn, Fitzpatrick, Patel to Equistar#page3.tif</p> <p>source=01-2807A-US executed Assignment from Hearn, Fitzpatrick, Patel to Equistar#page4.tif</p>									

CH \$40.00 13720539

**ASSIGNMENT OF APPLICATION FOR PATENT**

**WHEREAS:**

Names and Addresses of Inventors:

**JOHN D. HEARN**, 8727 Tumblewood Drive, Beach City, Texas 77523, USA

**MICHAEL E. FITZPATRICK**, 3127 Pebble Bay Drive, League City, Texas 77573, USA

**MIRAJ S. PATEL**, 3323 Pecan Point Drive, Sugar Land, Texas 77478, USA

(hereinafter referred to as ASSIGNOR), has invented and owns a certain invention entitled:

Title of Invention: **PROCESS FOR THE MANUFACTURE OF ACETIC ACID**

for which application for Letters Patent of the United States has been filed on December 19, 2012.

Particulars of Application

under Serial No. 13/720,539 and

WHEREAS: Equistar Chemicals, LP  
LyondellBasell Tower  
1221 McKinney Street  
Houston, Texas 77010  
United States of America

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

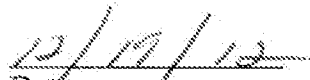
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Full Names of Inventors:

  
\_\_\_\_\_  
JOHN D. HEARN

  
\_\_\_\_\_  
Date

\_\_\_\_\_  
MICHAEL E. FITZPATRICK

\_\_\_\_\_  
Date


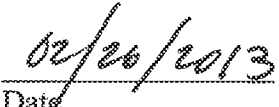
\_\_\_\_\_  
MIRAJ S. PATEL

\_\_\_\_\_  
Date

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Full Names of Inventors:

_____ JOHN D. HEARN	_____ Date
 _____ MICHAEL E. FITZPATRICK	 _____ Date
_____ MIRAJ S. PATEL	_____ Date

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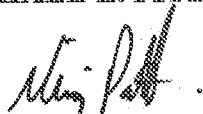
Full Names of Inventors:

\_\_\_\_\_  
JOHN D. HEARN

\_\_\_\_\_  
Date

\_\_\_\_\_  
MICHAEL E. FITZPATRICK

\_\_\_\_\_  
Date



\_\_\_\_\_  
MIRAJ S. PATEL

\_\_\_\_\_  
12/19/12  
Date