

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>Lee H. Bergman</td><td>12/27/2004</td></tr><tr><td>Kenneth D. Hope</td><td>11/29/2004</td></tr><tr><td>Elizabeth A. Benham</td><td>11/29/2004</td></tr><tr><td>Donald A. Stem</td><td>11/29/2004</td></tr></tbody></table>	Name	Execution Date	Lee H. Bergman	12/27/2004	Kenneth D. Hope	11/29/2004	Elizabeth A. Benham	11/29/2004	Donald A. Stem	11/29/2004	
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Elizabeth A. Benham	11/29/2004										
Donald A. Stem	11/29/2004										
RECEIVING PARTY DATA											
Name:	Chevron Phillips Chemical Company LP										
Street Address:	10001 Six Pines Drive										
City:	The Woodlands										
State/Country:	TEXAS										
Postal Code:	77380										
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>13093244</td></tr></tbody></table>	Property Type	Number	Application Number:	13093244							
Property Type	Number										
Application Number:	13093244										
CORRESPONDENCE DATA											
Fax Number:	(972)731-2289										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	972-731-2288										
Email:	rcarroll@dfw.conleyrose.com										
Correspondent Name:	Rodney B. Carroll										
Address Line 1:	5601 Granite Parkway Suite 750										
Address Line 4:	Plano, TEXAS 75024										
ATTORNEY DOCKET NUMBER:	210538US02 (4081-05510)										
NAME OF SUBMITTER:	Rodney B. Carroll										
Total Attachments: 5 source=ParentAssignment#page1.tif source=ParentAssignment#page2.tif source=ParentAssignment#page3.tif source=ParentAssignment#page4.tif source=ParentAssignment#page5.tif											

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PATENT
REEL: 026179 FRAME: 0520



Parent Assignment for 10/978,792 filed November 1, 2004 for use in Divisional Application No. 13/093,244 filed on April 25, 2011.

PATENT
Docket. No. 210538US01 (4081-05501)

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to Chevron Phillips Chemical Company, LP (the "Assignee"), a corporation of the State of Delaware, having a place of business at **10001 Six Pines Dr., The Woodlands, Texas 77387**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, entitled **"METHOD AND SYSTEM TO ADD HIGH SHEAR TO IMPROVE AN IONIC LIQUID CATALYZED CHEMICAL REACTION,"** Serial No. 10/978,792, filed November 1, 2004, such application and all divisional, continuing, provisional, non-provisional, regular, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuing, provisional, non-provisional, regular, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature): Lee H. Bergman
Lee H. Bergman

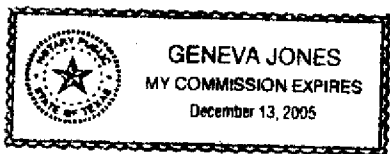
Date: 12-27-04

STATE OF TEXAS

§
§ ss.
§

COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this 27 day of December, 2004, personally appeared **LEE H. BERGMAN** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Geneva Jones
Notary or Consular Officer

[SEAL]

(Signature): Kenneth D. Hope
Kenneth D. Hope

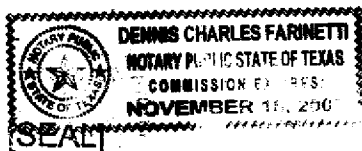
Date: 11/29/04

STATE OF TEXAS

§
§ ss.
§

COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this 29 day of November, 2004, personally appeared **KENNETH D. HOPE** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



Dennis Charles Farinetti
Notary or Consular Officer

(Signature): Elizabeth A. Benham
Elizabeth A. Benham

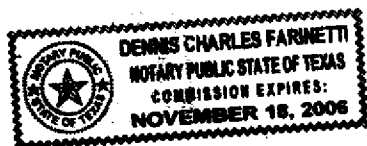
Date: Nov. 29, 2004

STATE OF TEXAS

§
§ ss.
§

COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this 29 day of NOVEMBER, 2004, personally appeared **ELIZABETH A. BENHAM** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



[SEAL]

Dennis Charles Farnetti
Notary or Consular Officer

(Signature): Donald A. Stern
Donald A. Stern

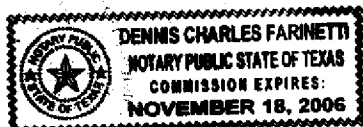
Date: Nov. 29, 2004

STATE OF TEXAS

§
§ ss.
§

COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this 29 day of NOVEMBER, 2004, personally appeared **DONALD A. STERN** known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



[SEAL]

Dennis Charles Farinetti
Notary or Consular Officer