PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------------|----------------|
| Diego Javier GUZMAN LUCERO | 05/11/2011 |
| Natalya VICTOROVNA LIKHANOVA | 05/06/2011 |
| Rafael MARTINEZ PALOU | 05/06/2011 |
| Eugenio Alejandro FLORES OROPEZA | 05/06/2011 |
| Jorge Froylan PALOMEQUE SANTIAGO | 05/06/2011 |

RECEIVING PARTY DATA

| Name: | INSTITUTO MEXICANO DEL PETROLEO |
|-------------------|--|
| Street Address: | Eje Central Lazaro Cardenas Norte No. 152 |
| Internal Address: | Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero |
| City: | Mexico, D.F. |
| State/Country: | MEXICO |
| Postal Code: | 07730 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13040398 |

CORRESPONDENCE DATA

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PATENT

REEL: 026265 FRAME: 0960

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| NAME OF SUBMITTER: | David S. Abrams |
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| Total Attachments: 2 source=Executed_assign#page1.tif source=Executed_assign#page2.tif | |

PATENT REEL: 026265 FRAME: 0961

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<u>ASSIGNMENT</u>

WHEREAS, We, (1) Diego Javier GUZMÁN LUCERO, (2) Natalya VICTOROVNA LIKHANOVA, (3) Rafael MARTÍNEZ PALOU, (4) Eugenio Alejandro FLORES OROPEZA, and (5) Jorge Froylán PALOMEQUE SANTIAGO, all citizens of Mexico, having an address of Eje Central Lazaro Cardenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A Madero, México, D.F. 07730 (hereinafter ASSIGNORS), have made a certain invention entitled PROCESS OF RECOVERY OF EXHAUSTED IONIC LIQUIDS USED IN THE EXTRACTIVE DESULFURIZATION OF NAPHTHAS, for which we are making application for Letters Patent of the United States, which application was filed on March 4, 2011 and assigned Serial No. 13/040,398; and

WHEREAS, INSTITUTO MEXICANO DEL PETROLEO, a corporation duly organized under the laws of Mexico, located and doing business at Eje Central Lazaro Cardenas Norte No. 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730 (hereinafter ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the aforementioned invention and the aforementioned application and any and all Letters Patent to be obtained on said invention and/or application;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration paid to us by said ASSIGNEE the receipt and sufficiency of which is hereby acknowledged, we, the ASSIGNORS and, by these presents do hereby sell, assign, set over and transfer unto the said ASSIGNEE, its successors, legal representatives or assigns, the entire right, title and interest in and to the aforesaid invention in and for the United States and all countries foreign thereto; and in, to and under the aforesaid United States application and any corresponding foreign applications and any divisional, continuing, substitute or reissue applications or supplementary disclosures which may be filed on said invention in any country; and our right to file said foreign applications and claim priority under the provisions of the International Convention; and any Letters Patent of the United States or any foreign country issued or granted on said invention and/or said applications;

AND WE HEREBY authorize and request the Patent Office or other issuing authority to issue any and all patents on said invention and/or said application to said ASSIGNEE as sole assignee; and we further hereby authorize said ASSIGNEE to file and prosecute any of said foreign applications in its own name;

PATENT REEL: 026265 FRAME: 0962 AND WE HEREBY covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any assignment or other instrument in conflict herewith;

AND WE HEREBY further covenant and agree to communicate to said ASSIGNEE, or its legal representatives, successors or assigns, any facts relating to said invention, including evidence for interference purposes or other proceedings, whenever requested, and to testify in any interference or in any other legal proceeding, when requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective; and to perform the aforesaid communicating, executing and delivering, without any payment except expenses and to perform the aforesaid testifying for reasonable compensation; and generally to do everything possible to aid the said ASSIGNEE, its successors, legal representatives or assigns to obtain and enforce proper patent protection on and for said invention in all countries, and likewise we make these provisions binding upon our heirs, legal representatives and/or administrators.

IN WITNESS WHEREOF, we have hereunder set our hand and seal.

may 11 /2011
Date

6/2011

Alays 6/2011

May 6/2011

May 6, 2011

Diego Javier GUZMÁN LUCERO

Natalya VICTOROVNA LIKHANOVA

Rafael MARTÍNEZ PALOU

Eugenio Alejando FLORES OROPEZA

Jorge Froylán PALOMEQUE SANTIAGO