

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3874485

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
JAIME SANCHEZ VALENTE	04/25/2016
JOSE MANUEL LOPEZ NIETO	05/10/2016
HECTOR ARMENDARIZ HERRERA	04/25/2016
AMADA MASSO RAMIREZ	05/10/2016
FRANCISCO IVARS BARCELO	05/10/2016
MARIA DE LOURDES ALEJANDRA GUZMAN CASTILLO	04/25/2016
ROBERTO QUINTANA SOLORZANO	04/25/2016
ANDREA RODRIGUEZ HERNANDEZ	04/25/2016
PAZ DEL ANGEL VICENTE	04/25/2016
ETEL MAYA FLORES	05/07/2016

**RECEIVING PARTY DATA**

<b>Name:</b>	INSTITUTO MEXICANO DEL PETROLEO
<b>Street Address:</b>	EJE CENTRAL LAZARO CARDENAS
<b>Internal Address:</b>	NORTE NO. 152, COL. SAN BARTOLO ATEPEHUACAN, DEL. GUSTAVO A. MADERO
<b>City:</b>	MEXICO, D.F.
<b>State/Country:</b>	MEXICO
<b>Postal Code:</b>	07730
<b>Name:</b>	PEMEX PETROQUIMICA
<b>Street Address:</b>	AV. JACARANDAS #100,
<b>Internal Address:</b>	FRACCIONAMIENTO RANCHO ALEGRE I, C.P., COATZACOALCOS
<b>City:</b>	VERACRUZ
<b>State/Country:</b>	MEXICO
<b>Postal Code:</b>	96558
<b>Name:</b>	UNIVERSIDAD POLITECNICA DE VALENCIA
<b>Street Address:</b>	UNIVERSIDAD POLITECNICA DE VALENCIA
<b>Internal Address:</b>	INSTITUTO DE TECNOLOGIA QUIMICA, AV. LOS NARANJOS S/N
<b>City:</b>	VALENCIA
<b>State/Country:</b>	SPAIN
<b>Postal Code:</b>	46022

**PROPERTY NUMBERS Total: 1**

<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13655620

**CORRESPONDENCE DATA**

**Fax Number:** (202)659-1559

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

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**Correspondent Name:** GARRETT V. DAVIS

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<b>ATTORNEY DOCKET NUMBER:</b>	066888-00015
<b>NAME OF SUBMITTER:</b>	GARRETT V. DAVIS
<b>SIGNATURE:</b>	/Garrett V. Davis/
<b>DATE SIGNED:</b>	05/16/2016

**Total Attachments: 9**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, We, (1) Jaime SÁNCHEZ VALENTE, a MX citizen, having an address of Eje Central Lázaro Cárdenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, (2) José Manuel LÓPEZ NIETO, an ES citizen, having an address of Universidad Politécnica de Valencia, Instituto de Tecnología Química, Av. Los Naranjos s/n, Valencia, Spain, (3) Héctor ARMENDÁRIZ HERRERA, a MX citizen, having an address of Eje Central Lázaro Cárdenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, (4) Amada MASSÓ RAMÍREZ, an ES citizen, having an address of Universidad Politécnica de Valencia, Instituto de Tecnología Química, Av. Los Naranjos s/n, 46022, Valencia, Spain, (5) Francisco IVARS BARCELÓ, an ES citizen, having an address of Universidad Politécnica de Valencia, Instituto de Tecnología Química, Av. Los Naranjos s/n, 46022, Valencia, Spain, (6) María de Lourdes Alejandra GUZMÁN CASTILLO, a MX citizen, having an address of Eje Central Lázaro Cárdenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, (7) Roberto QUINTANA SOLÓRZANO, a MX citizen, having an address of Eje Central Lázaro Cárdenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, (8) Andrea RODRÍGUEZ HERNÁNDEZ, a MX citizen, having an address of Eje Central Lázaro Cárdenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, (9) Paz DEL ANGEL VICENTE, a MX citizen, having an address of Eje Central Lázaro Cárdenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, and (10) Etel MAYA FLORES, a MX citizen, having an address of Eje Central Lázaro Cárdenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, (hereinafter ASSIGNORS), have made a certain invention entitled **OXIDATIVE DEHYDROGENATION OF ETHANE TO ETHYLENE AND PREPARATION OF MULTIMETALLIC MIXED OXIDE CATALYST FOR SUCH PROCESS**, for which we are making application for Letters Patent of the United States, which application was filed on October 19, 2012 and assigned Serial No. 13/655,620; and

WHEREAS, (1) INSTITUTO MEXICANO DEL PETRÓLEO, a corporation duly organized under the laws of Mexico, located and doing business at Eje Central Lázaro Cárdenas Norte No. 152, Col. San Bartolo Atepehuacan, Del. Gustavo A. Madero, México, D.F. 07730, (2) PEMEX PETROQUÍMICA, a corporation duly organized under the laws of Mexico, located and doing business at Av. Jacarandas #100, Fraccionamiento Rancho Alegre I, C.P., Coatzacoalcos, Veracruz 96558, MX, and (3) UNIVERSIDAD POLITÉCNICA DE VALENCIA, Universidad Politécnica de Valencia, Instituto de Tecnología Química, Av. Los Naranjos s/n, Valencia 46022, Spain (hereinafter ASSIGNEES), are 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:

PATENT

REEL: 038605 FRAME: 0623

BE IT KNOWN that for good and valuable consideration paid to us by said ASSIGNEES 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 ASSIGNEES, 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 ASSIGNEES as joint assignees; and we further hereby authorize said ASSIGNEES to file and prosecute any of said foreign applications in its own name;

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 ASSIGNEES, 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 ASSIGNEES, 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.

\_\_\_\_\_ Date

\_\_\_\_\_ Jaime SÁNCHEZ VALENTE

10/05/2016

Date



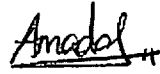
José Manuel LOPEZ NIETO

Date

Héctor ARMENDÁRIZ HERRERA

10/05/2016

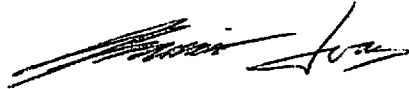
Date



Amada MASSÓ RAMÍREZ

10/05/2016

Date



Francisco IVARS BARCELÓ

Date

María de Lourdes Alejandra GUZMÁN CASTILLO

Date

Roberto QUINTANA SOLÓRZANO

Date

Andrea RODRÍGUEZ HERNÁNDEZ

Date

Paz DEL ANGEL VICENTE

Date

Etel MAYA FLORES

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

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\_\_\_\_\_  
Date

\_\_\_\_\_  
Jaime SÁNCHEZ VALENTE

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Date

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José Manuel LÓPEZ NIETO

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Héctor ARMENDÁRIZ HERRERA

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Amada MASSÓ RAMÍREZ

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Francisco IVARS BARCELÓ

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Date

\_\_\_\_\_  
Roberto QUINTANA SOLÓRZANO


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Date

\_\_\_\_\_  
Andrea RODRÍGUEZ HERNÁNDEZ

\_\_\_\_\_  
Date

\_\_\_\_\_  
Paz DEL ANGEL VICENTE

05 / 07 / 2016  
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Date

  
\_\_\_\_\_  
Etel MAYA FLORES



59819  
(IMP S/N-11)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

A S S I G N M E N T

WHEREAS, We, (1) Jaime SÁNCHEZ VALENTE, a MX citizen, having an address of Eje Central Lazaro Cardenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A Madero, México, D.F. 07730, (2) José Manuel LÓPEZ NIETO, an ES citizen, having an address of Universidad Politécnica de Valencia, Instituto de Tecnología Química, Av. Los Naranjos s/n, Valencia, Spain, (3) Héctor ARMENDARIZ HERRERA, a MX citizen, having an address of Eje Central Lazaro Cardenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A Madero, México, D.F. 07730, (4) Amada MASSO RAMIREZ, an ES citizen, having an address of Universidad Politécnica de Valencia, Instituto de Tecnología Química, Av. Los Naranjos s/n, 46022, Valencia, Spain, (5) Francisco IVARS BARCELO, an ES citizen, having an address of Universidad Politécnica de Valencia, Instituto de Tecnología Química, Av. Los Naranjos s/n, 46022, Valencia, Spain, (6) María de Lourdes Alejandra GUZMÁN CASTILLO, a MX citizen, having an address of Eje Central Lazaro Cardenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A Madero, México, D.F. 07730, (7) Roberto QUINTANA SOLÓRZANO, a MX citizen, having an address of Eje Central Lazaro Cardenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A Madero, México, D.F. 07730, (8) Andrea RODRÍGUEZ HERNÁNDEZ, a MX citizen, having an address of Eje Central Lazaro Cardenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A Madero, México, D.F. 07730, (9) Paz DEL ANGEL VICENTE, a MX citizen, having an address of Eje Central Lazaro Cardenas Norte 152, Col. San Bartolo Atepehuacan, Del. Gustavo A Madero, México, D.F. 07730, and (10) Etel MAYA FLORES, a MX citizen, 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 **OXIDATIVE DEHYDROGENATION OF ETHANE TO ETHYLENE AND PREPARATION OF MULTIMETALLIC MIXED OXIDE CATALYST FOR SUCH PROCESS**, for which we are making application for Letters Patent of the United States, which application was filed on October 19, 2012 and assigned Serial No. 13/655,620; and

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Date

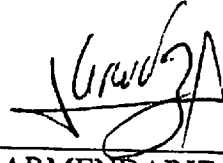
  
Jaime SANCHEZ VALENTE

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Héctor ARMENDARIZ HERRERA

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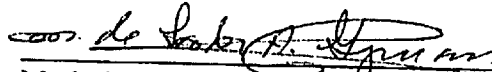
Amada MASSO RAMIREZ

Date

Francisco IVARS BARCELO

04/25/2016

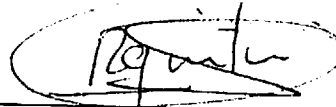
Date



María de Lourdes Alejandra GUZMÁN CASTILLO

04/25/2016

Date



Roberto QUINTANA SOLÓRZANO

04/25/2016

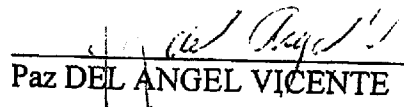
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