

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sebastian C. Reyes (deceased 07/08)</td> <td>08/12/2008</td> </tr> <tr> <td>Zheng Ni</td> <td>03/30/2009</td> </tr> <tr> <td>Charanjit S. Paur</td> <td>03/30/2009</td> </tr> <tr> <td>Pavel Kortunov</td> <td>03/30/2009</td> </tr> <tr> <td>John Zengel</td> <td>03/30/2009</td> </tr> </tbody> </table>		Name	Execution Date	Sebastian C. Reyes (deceased 07/08)	08/12/2008	Zheng Ni	03/30/2009	Charanjit S. Paur	03/30/2009	Pavel Kortunov	03/30/2009	John Zengel	03/30/2009
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CORRESPONDENCE DATA													
<p>Fax Number: (908)730-3649 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 908-730-3675 Email: gail.f.summerfield@exxonmobil.com Correspondent Name: ExxonMobil Research & Engineering Co. Address Line 1: 1545 Route 22 East Address Line 2: P.O. Box Address Line 4: Annandale, NEW JERSEY 08801-0900</p>													
ATTORNEY DOCKET NUMBER:	2008EM040-US2												

CH \$40.00 12321752

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PATENT
REEL: 022504 FRAME: 0460

NAME OF SUBMITTER:

Bruce M. Bordelon

Total Attachments: 4

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ASSIGNMENT
INVENTOR or INVENTORS:

Sebastian C. Reyes
John Zengel

Zheng Ni
Harry W. Deckman

Charanjit S. Paur

Pavel Kortunov

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

**SEPARATION OF CARBON DIOXIDE FROM METHANE UTILIZING ZEOLITIC IMIDAZOLATE
FRAMEWORK MATERIALS**

said application having been executed on the 30th day(s) of March 1st April 2009, and being further identified as Case Number BMB-0901; 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 therefor 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 _____	Inventor <u>deceased - see attached Assignment</u> (LS) Sebastian C. Reyes	Witness _____
Date <u>3/30/2009</u>	Inventor <u>[Signature]</u> (LS) Zheng Ni	Witness <u>[Signature]</u>
Date <u>3/30/2009</u>	Inventor <u>[Signature]</u> (LS) Charanjit S. Paur	Witness <u>Diane Stracka</u>
Date <u>3/30/2009</u>	Inventor <u>Pavel V. Kortunov</u> (LS) Pavel Kortunov	Witness <u>Diane Stracka</u>
Date <u>3/30/2009</u>	Inventor <u>[Signature]</u> (LS) John Zengel	Witness <u>[Signature]</u>
Date <u>3/30/2009</u>	Inventor <u>[Signature]</u> (LS) Harry W. Deckman	Witness <u>[Signature]</u>



27810

PATENT TRADEMARK OFFICE

Family Number: 2008EM040-US2

Family No.: 2008EM040-US2
Case No.: BMB-0901

Application Serial No.: 12/321,752
Filed: January 23, 2009

For: U.S and Foreign Rights

**ASSIGNMENT OF INVENTION
BY EXECUTOR**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Thousand Dollars (\$1,000.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:
By Executor of inventor


Jose G. Santiesteban

Inventor on whose behalf above person is signing: Sebastian C. Reyes

Address of person signing: 1874 Viola Lane, Hellertown, Pennsylvania 18055

Nationality of person signing: Citizen of United States of America

hereby sells, assigns and transfers to

ASSIGNEE: ExxonMobil Research and Engineering Company
1545 Route 22 East
Annandale, New Jersey 08801

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest, and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

SEPARATION OF CARBON DIOXIDE FROM METHANE UTILIZING ZEOLITIC
IMIDAZOLATE FRAMEWORK MATERIALS

Names of inventors: Sebastian C. Reyes, Zheng Ni, Charanjit S. Paur, Pavel Kortunov,
John Zengel, Harry W. Deckman

and which is found in (per 37 C.F.R. § 3.21):

U.S. Provisional Application No. 61/066,550 filed February 21, 2008, and

U.S. Utility Application No. 12,321,752 filed January 23, 2009, and

any legal equivalent thereof in a foreign country, including the right to claim priority,

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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.

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

PROOF OF AUTHORITY to act on behalf of the deceased inventor is submitted herewith.

IN WITNESS WHEREOF, I have hereunto set hand and seal this 1st day of April 2009.


Jose G. Santiesteban, Executor

State of New Jersey
Somerset County Surrogate's Court

In the Matter of the Estate of
Sebastian C. Reyes, Deceased
(aka:)

EXECUTOR
CERTIFICATE

I, **Hon. Frank G. Bruno**, Surrogate of the County of **SOMERSET**, in the State of **New Jersey**, **Do Hereby Certify** that on **August 12th, 2008**, the last Will and Testament of **Sebastian C. Reyes**, late of the County of **SOMERSET**, was duly admitted to probate and Letters Testamentary thereon were issued to **Jose G. Santiesteban**, therein named, who is(are) duly authorized to administer the estate of the decedent agreeably to said Will.

I Further Certify that said Letters Testamentary stand unrevoked and in full force and effect.

WITNESS my hand and seal of office, on
August 12th, 2008.



Frank G Bruno

Hon. Frank G. Bruno
Surrogate