502306833 04/11/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ChangMin Chun	03/13/2013
Frank Hershkowitz	03/14/2013
Paul F. Keusenkothen	03/29/2013
Robert L. Antram	03/29/2013

RECEIVING PARTY DATA

Name:	ExxonMobil Chemical Patents Inc.
Street Address:	13501 Katy Freeway
City:	Houston
State/Country:	TEXAS
Postal Code:	77079

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13740496

CORRESPONDENCE DATA

Fax Number: 281-834-74

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 281-834-0109

Email: catherine.a.haynes@exxonmobil.com
Correspondent Name: ExxonMobil Chemical Company

Address Line 1: P.O. Box 2149

Address Line 4: Baytown, TEXAS 77522-2149

ATTORNEY DOCKET NUMBER:	2012EM013/2 813106PR
NAME OF SUBMITTER:	Gerard J. Hughes, Reg. No. 41855
Signature:	/Gerard J. Hughes/
	PATENT

REEL: 030194 FRAME: 0267

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Date:	04/11/2013
Total Attachments: 8 source=2012EM0132Assignment#page1.tif source=2012EM0132Assignment#page2.tif source=2012EM0132Assignment#page3.tif source=2012EM0132Assignment#page4.tif source=2012EM0132Assignment#page5.tif source=2012EM0132Assignment#page6.tif source=2012EM0132Assignment#page7.tif source=2012EM0132Assignment#page8.tif	

PATENT REEL: 030194 FRAME: 0268

INVENTOR(S):

ChangMin Chun	Frank Hershkowitz
Paul F. Keusenkothen	Robert L. Antram

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of and/or promise of payment which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Chemical Patents Inc., 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:

"Reactor Components"

and being further identified as USSN Application No.: <u>13/740,496</u>; Atty. Docket No. <u>2012EM013/2</u>, filed, <u>January 14</u>, <u>2013</u>, 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 therefore 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's attorney to insert at paragraph 1, in this instrument the date on which the above-referenced patent application was filed, as well as the application number thereof when known.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE	Mar. 13, 2013	MATH
-		ChangMin Chun (Inventor)
Dono	Witness (Print Name)	A sould Layer to Tur Witness (Signature)
DATE _		Frank Hershkowitz (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE _		Paul F. Keusenkothen (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE _	····	Robert L. Antram (Inventor)
	Witness (Print Name)	Witness (Signature)

Page 2 of 2

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		ChangMin Chun (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE	3-14-2013	Frank Hershkowitz (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		Paul F. Keusenkothen (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		Robert L. Antram (Inventor)
	Witness (Print Name)	Witness (Signature)

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Paul F. Keusenkothen	Robert L. Antram

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DATE	Frank Hershkowitz (Inventor)
Witness (Print Name)	Witness (Signature)
DATE <u>3/29/13</u>	Paul F. Keusenkothen (Inventor)
Chris Evans Witness (Print Name)	Witness (Signature)
DATE	Robert L. Antram (Inventor)
Witness (Print Name)	Witness (Signature)

Page 2 of 2

REEL: 030194 FRAME: 0274

INVENTOR(S):

ChangMin Chun	Frank Hershkowitz
Paul F. Keusenkothen	Robert L. Antram

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Witness (Print Name)	Witness (Signature)
DATE	Paul F. Keusenkothen (Inventor)
Witness (Print Name)	Witness (Signature)
DATE 3/29/2013	Robert L. Antram (Inventor)
Alice Ywechko Witness (Print Name)	Hu Mull Witness (Signature)

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