

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3627696

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SUN-CHUEH KAO	11/11/2011
PHUONG A. CAO	01/10/2012
C. JEFF HARLAN	11/18/2011
PARUL A. KHOKHANI	11/15/2011
GEORGE RODRIGUEZ	01/10/2012
FRANCIS C. RIX	11/16/2011
GARTH R. GIESBRECHT	11/11/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVATION TECHNOLOGIES, LLC
<b>Street Address:</b>	5555 SAN FELIPE
<b>Internal Address:</b>	SUITE 1950
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77056
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14356419
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)659-9344
<i>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.</i>	
<b>Phone:</b>	6126599340
<b>Email:</b>	marquardt@bipl.net
<b>Correspondent Name:</b>	BROOKS, CAMERON & HUEBSCH, PLLC
<b>Address Line 1:</b>	1201 MARQUETTE AVENUE SOUTH
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55403
<b>ATTORNEY DOCKET NUMBER:</b>	2011U012.US
<b>NAME OF SUBMITTER:</b>	ALEXANDER MARQUARDT
<b>SIGNATURE:</b>	/Alexander Marquardt/

PATENT

**DATE SIGNED:**

11/23/2015

**Total Attachments: 18**

source=00412463#page1.tif  
source=00412463#page2.tif  
source=00412463#page3.tif  
source=00412463#page4.tif  
source=00412463#page5.tif  
source=00412463#page6.tif  
source=00412463#page7.tif  
source=00412463#page8.tif  
source=00412463#page9.tif  
source=00412463#page10.tif  
source=00412463#page11.tif  
source=00412463#page12.tif  
source=00412463#page13.tif  
source=00412463#page14.tif  
source=00412463#page15.tif  
source=00412463#page16.tif  
source=00412463#page17.tif  
source=00412463#page18.tif

ASSIGNMENT

INVENTOR(S):

Sun-Chueh Kao  
C. Jeff Harlan  
George Rodriguez  
Garth R. Giesbrecht

Phuong A. Cao  
Parul A. Khokhani  
Francis C. Rix

---

For 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 Univation Technologies, LLC, 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:

**“Methods of Preparing a Catalyst System”**

and being further identified as USSN Application No.: 61/556925; Atty. Docket No. 2011U012.PRV, filed November 8, 2011, and all rights of priority created<sup>2</sup>) by said application under provisions of international conventions or treaties.

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.



DATE \_\_\_\_\_

\_\_\_\_\_  
Garth R. Giesbrecht (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

## ASSIGNMENT

### INVENTOR(S):

Sun-Chueh Kao  
C. Jeff Harlan  
George Rodriguez  
Garth R. Giesbrecht

Phuong A. Cao  
Parul A. Khokhani  
Francis C. Rix

---

For 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 Univation Technologies, LLC, 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:

#### **“Methods of Preparing a Catalyst System”**

and being further identified as USSN Application No.: 61/556925; Atty. Docket No. 2011U012.PRV, filed November 8, 2011, 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.

ASSIGNMENT (Cont'd.)

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

DATE \_\_\_\_\_  
Sun-Chueh Kao (Inventor)  
\_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_  
Witness (Signature)

DATE 01/10/12  
Phuong Cao (Inventor)  
FREDERIC E LI BRIZZI  
Witness (Print Name) \_\_\_\_\_  
Frederic E Li Brizzi  
Witness (Signature)

DATE \_\_\_\_\_  
C. Jeff Harlan (Inventor)  
\_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_  
Witness (Signature)

DATE \_\_\_\_\_  
Parul A. Khokhani (Inventor)  
\_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_  
Witness (Signature)

DATE \_\_\_\_\_  
George Rodriguez (Inventor)  
\_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_  
Witness (Signature)

DATE \_\_\_\_\_

Francis C. Rix (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

DATE \_\_\_\_\_

Garth R. Giesbrecht (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)



ASSIGNMENT

**INVENTOR(S):**

Sun-Chueh Kao  
C. Jeff Harlan  
George Rodriguez  
Garth R. Giesbrecht

Phuong A. Cao  
Parul A. Khokhani  
Francis C. Rix

---

For 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 Univation Technologies, LLC, 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:

**“Methods of Preparing a Catalyst System”**

and being further identified as USSN Application No.: 61/556925; Atty. Docket No. 2011U012.PRV, filed November 8, 2011, 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.



DATE \_\_\_\_\_

Francis C. Rix (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

DATE \_\_\_\_\_

Garth R. Giesbrecht (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

ASSIGNMENT

INVENTOR(S):

Sun-Chueh Kao  
C. Jeff Harlan  
George Rodriguez  
Garth R. Giesbrecht

Phuong A. Cao  
Parul A. Khokhani  
Francis C. Rix

---

For 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 Univation Technologies, LLC, 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:

**“Methods of Preparing a Catalyst System”**

and being further identified as USSN Application No.: 61/556925; Atty. Docket No. 2011U012.PRV, filed November 8, 2011, 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.



DATE \_\_\_\_\_

Francis C. Rix (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

DATE \_\_\_\_\_

Garth R. Giesbrecht (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

**ASSIGNMENT****INVENTOR(S):**

Sun-Chueh Kao	Phuong A. Cao
C. Jeff Harlan	Parul A. Khokhani
George Rodriguez	Francis C. Rix
Garth R. Giesbrecht	

---

For 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 Univation Technologies, LLC, 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:

**“Methods of Preparing a Catalyst System”**

and being further identified as USSN Application No.: 61/556925; Atty. Docket No. 2011U012.PRV, filed November 8, 2011, 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.

**ASSIGNMENT (Cont'd.)**

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

DATE \_\_\_\_\_  
Sun-Chueh Kao (Inventor)

\_\_\_\_\_  
Witness (Print Name) Witness (Signature)

DATE \_\_\_\_\_  
Phuong A. Cao (Inventor)

\_\_\_\_\_  
Witness (Print Name) Witness (Signature)

DATE \_\_\_\_\_  
C. Jeff Harlan (Inventor)

\_\_\_\_\_  
Witness (Print Name) Witness (Signature)

DATE \_\_\_\_\_  
Parul A. Khokhani (Inventor)

\_\_\_\_\_  
Witness (Print Name) Witness (Signature)

DATE 1/10/2012  
George Rodriguez (Inventor)

Ting Chen  
Witness (Print Name) Cheng  
Witness (Signature)



DATE \_\_\_\_\_

Francis C. Rix (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

DATE \_\_\_\_\_

Garth R. Giesbrecht (Inventor)

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

ASSIGNMENT

**INVENTOR(S):**

Sun-Chueh Kao  
C. Jeff Harlan  
George Rodriguez  
Garth R. Giesbrecht

Phuong A. Cao  
Parul A. Khokhani  
Francis C. Rix

---

For 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 Univation Technologies, LLC, 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:

**“Methods of Preparing a Catalyst System”**

and being further identified as USSN Application No.: 61/556925; Atty. Docket No. 2011U012.PRV, filed November 8, 2011, 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.



DATE 11/16/2011

Francis C. Rix  
Francis C. Rix (Inventor)

John HAGADORN  
Witness (Print Name)

[Signature]  
Witness (Signature)

DATE 11/11/11

Garth R. Giesbrecht  
Garth R. Giesbrecht (Inventor)

Timothy Boller  
Witness (Print Name)

[Signature]  
Witness (Signature)