

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Ludovic CHAHEN</td> <td>11/19/2010</td> </tr> <tr> <td>Mikael BERTHOD</td> <td>11/18/2010</td> </tr> <tr> <td>Helene OLIVIER-BOURBIGOU</td> <td>11/23/2010</td> </tr> </tbody> </table>		Name	Execution Date	Ludovic CHAHEN	11/19/2010	Mikael BERTHOD	11/18/2010	Helene OLIVIER-BOURBIGOU	11/23/2010		
Name	Execution Date										
Ludovic CHAHEN	11/19/2010										
Mikael BERTHOD	11/18/2010										
Helene OLIVIER-BOURBIGOU	11/23/2010										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>IFP ENERGIES NOUVELLES</td> </tr> <tr> <td>Street Address:</td> <td>1 &amp; 4 AVENUE DE BOIS-PREAU</td> </tr> <tr> <td>City:</td> <td>RUEIL-MALMAISON CEDEX</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>92852</td> </tr> </table>		Name:	IFP ENERGIES NOUVELLES	Street Address:	1 & 4 AVENUE DE BOIS-PREAU	City:	RUEIL-MALMAISON CEDEX	State/Country:	FRANCE	Postal Code:	92852
Name:	IFP ENERGIES NOUVELLES										
Street Address:	1 & 4 AVENUE DE BOIS-PREAU										
City:	RUEIL-MALMAISON CEDEX										
State/Country:	FRANCE										
Postal Code:	92852										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12911973</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12911973						
Property Type	Number										
Application Number:	12911973										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (703)243-6410</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-243-6333</p> <p>Email: brooks@mwzb.com</p> <p>Correspondent Name: Millen, White, Zelano &amp; Branigan</p> <p>Address Line 1: 2200 Clarendon Blvd.</p> <p>Address Line 2: Suite 1400</p> <p>Address Line 4: Arlington, VIRGINIA 22201</p>											
ATTORNEY DOCKET NUMBER:	PET-2654										
NAME OF SUBMITTER:	I. William Millen										
<p>Total Attachments: 3</p> <p>source=ASSIGNMENT#page1.tif</p>											

OP \$40.00 12911973

**501395104**

**PATENT**  
**REEL: 025573 FRAME: 0076**

source=ASSIGNMENT#page2.tif  
source=ASSIGNMENT#page3.tif

# ASSIGNMENT

ATTY. DOCKET NO. PET-2654

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

## NOVEL COMPLEXES AND METHOD FOR SYNTHESIS OF GROUP 6 ORGANOMETALLICS, AND USE THEREOF IN AN OLEFIN METATHESIS METHOD

and for which one or more of the following apply:

☐ U.S. Provisional Application Serial No. was filed in the United States Patent and Trademark Office on

☒ A U.S. Non-Provisional

☐ application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.  
☒ Application Serial No. 12/911,973 for Letters Patent was filed in the U.S. Patent and Trademark Office on October 26, 2010.  
☐ as International Application No. was filed on , designating the United States.

AND WHEREAS

IFP ENERGIES NOUVELLES  
 1 & 4 AVENUE DE BOIS-PREAU  
 92852 RUEIL-MALMAISON CEDEX  
 FRANCE

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reexaminations and extensions thereof.


NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Ludovic CHAHEN		19/11/2010
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Mikael BERTHOD		
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Helene OLIVIER-BOURBIGOU		

PATENT

REEL: 025573 FRAME: 0078

# ASSIGNMENT

ATTY. DOCKET NO. PET-2654

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

## NOVEL COMPLEXES AND METHOD FOR SYNTHESIS OF GROUP 6 ORGANOMETALLICS, AND USE THEREOF IN AN OLEFIN METATHESIS METHOD

and for which one or more of the following apply:

☐ U.S. Provisional Application Serial No. was filed in the United States Patent and Trademark Office on

☒ A U.S. Non-Provisional

☐ application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.  
☒ Application Serial No. 12/911,973 for Letters Patent was filed in the U.S. Patent and Trademark Office on October 26, 2010.  
☐ as International Application No. was filed on , designating the United States.

### AND WHEREAS

IFP ENERGIES NOUVELLES  
 1 & 4 AVENUE DE BOIS-PREAU  
 92852 RUEIL-MALMAISON CEDEX  
 FRANCE

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.


NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Ludovic CHAHEN		
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Mikael BERTHOD		12/11/2010
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Helene OLIVIER-BOURBIGOU		

PATENT

REEL: 025573 FRAME: 0079

# ASSIGNMENT

ATTY. DOCKET NO. PET-2654

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

## NOVEL COMPLEXES AND METHOD FOR SYNTHESIS OF GROUP 6 ORGANOMETALLICS, AND USE THEREOF IN AN OLEFIN METATHESIS METHOD

and for which one or more of the following apply:

☐ U.S. Provisional Application Serial No. was filed in the United States Patent and Trademark Office on

☒ A U.S. Non-Provisional

☐ application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.  
☒ Application Serial No. 12/911,973 for Letters Patent was filed in the U.S. Patent and Trademark Office on October 26, 2010.  
☐ as International Application No. was filed on , designating the United States.

AND WHEREAS

IFP ENERGIES NOUVELLES  
 1 & 4 AVENUE DE BOIS-PREAU  
 92852 RUEIL-MALMAISON CEDEX  
 FRANCE

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all application(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Ludovic CHAHEN		
202 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Mikael BERTHOD		
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Helene OLIVIER-BOURBIGOU	Helene Olivier-Bourbigou	23 Nov. 2010.

PATENT

RECORDED: 01/03/2011

REEL: 025573 FRAME: 0080