

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5181856

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DR. KARL-HEINZ KÖHLER	07/10/2017
DR. RICARDA LEIBERICH	10/10/2016
KASPAR HALLENBERGER	11/07/2016
DR. KORBINIAN KRÄMER	10/18/2016
DR. FLORIAN LIPSKI	10/30/2016
DR. HENNING KAHNIS	10/18/2016
GABRIEL DENECKER	06/06/2017
JOHAN VANDEN EYNDE	05/29/2017
WEERACHANAN SOMHOM	06/01/2017
RECEIVING PARTY DATA	
Name:	COVESTRO DEUTSCHLAND AG
Street Address:	KAISER-WILHELM-ALLEE 60
City:	LEVERKUSEN
State/Country:	GERMANY
Postal Code:	51373
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15309013
CORRESPONDENCE DATA	
Fax Number:	(412)355-6501
<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>	
Phone:	(412)355-6323
Email:	PIUSPatents@klgates.com
Correspondent Name:	WILLIAM E. KUSS
Address Line 1:	210 SIXTH AVENUE
Address Line 2:	K&L GATES CENTER
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222-2613
ATTORNEY DOCKET NUMBER:	160507PCTUS/BMS121081PCTU
NAME OF SUBMITTER:	WILLIAM E. KUSS

PATENT

SIGNATURE:	/William E. Kuss/
DATE SIGNED:	10/10/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 16 source=Combined_Dec_Assign#page1.tif source=Combined_Dec_Assign#page2.tif source=Combined_Dec_Assign#page3.tif source=Combined_Dec_Assign#page4.tif source=Combined_Dec_Assign#page5.tif source=Combined_Dec_Assign#page6.tif source=Combined_Dec_Assign#page7.tif source=Combined_Dec_Assign#page8.tif source=Combined_Dec_Assign#page9.tif source=Combined_Dec_Assign#page10.tif source=Combined_Dec_Assign#page11.tif source=Combined_Dec_Assign#page12.tif source=Combined_Dec_Assign#page13.tif source=Combined_Dec_Assign#page14.tif source=Combined_Dec_Assign#page15.tif source=Combined_Dec_Assign#page16.tif	

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below, and

Whereas, 1 COVESTRO DEUTSCHLAND AG of 1 Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns, and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made (Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to

The attached application, OR United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015 (Confirmation No. _____)

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled.

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon

POST-AIA

The above identified application was made or was authorized to be made by me

I believe I am the original inventor or an original joint inventor of a claimed invention in the application

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(e), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

1. Dr. Karl-Heinz KÖHLER
52078 Aachen-Brand, DE
An der Unterbahn 31, 52078 Aachen-Brand, DE
DE

Karl-Heinz Köhler 2017-07-10

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

2. Dr. Ricarda LEIBERICH
63263 Neu-Isenburg, DE
An der Aue 15, 63263 Neu-Isenburg, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

3. Kaspar HALLENBERGER
51375 Leverkusen, DE
Dechant-Fein-Str. 24, 51375 Leverkusen, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

4. Dr. Korbimian KRÄMER
50733 Köln, DE
Schwerinstr. 25, 50733 Köln, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

5. Dr. Florian LIPSKI
40882 Ratingen, DE
Peter-Kraft-Straße 74, 40882 Ratingen, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

6. Dr. Henning KAHNIS
50667 Köln, DE
Siegfriedstr. 4, 50667 Köln, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

7. Gabriel DENECKER
2920 Kalmthout,
Vinkenlaan 18, 2920 Kalmthout

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

8. Johan VANDEN EYNDE
9052 ZWIJNAARDE, BE
Hekers 81, 9052 ZWIJNAARDE, BE
BE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

9. Weerachanan SOMHOM
Uttaradit 53000, TH
189/11 M.1 Tasao district, Uttaradit 53000, TH
TH

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, 1. COVESTRO DEUTSCHLAND AG of 1. Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to:

- The attached application, OR United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015 (Confirmation No. _____).

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR: 1. Dr. Karl-Heinz KÖHLER
RESIDENCE: 52078 Aachen-Brand, DE
POST OFFICE ADDRESS: An der Unterbahn 31, 52078 Aachen-Brand, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 2. Dr. Ricarda LEIBERICH
RESIDENCE: 63150 Heusenstamm, DE
POST OFFICE ADDRESS: Hubertusanlage 88, 63150 Heusenstamm, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 3. Kaspar HALLENBERGER
RESIDENCE: 51375 Leverkusen, DE
POST OFFICE ADDRESS: Dechant-Fein-Str. 24, 51375 Leverkusen, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 4. Dr. Korbinian KRÄMER
RESIDENCE: 50733 Köln, DE
POST OFFICE ADDRESS: Schwerinstr. 25, 50733 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 5. Dr. Florian LIPSKI
RESIDENCE: 40882 Ratingen, DE
POST OFFICE ADDRESS: Peter-Kraft-Straße 74, 40882 Ratingen, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 6. Dr. Henning KAHNIS
RESIDENCE: 50667 Köln, DE
POST OFFICE ADDRESS: Siegfriedstr. 4, 50667 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 7. Gabriel DENECKER
RESIDENCE: 2920 Kalmthout,
POST OFFICE ADDRESS: Vinkenlaan 18, 2920 Kalmthout
CITIZENSHIP:
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 8. Johan VANDEN EYNDE
RESIDENCE: 9052 ZWIJNAARDE, BE
POST OFFICE ADDRESS: Hekers 81, 9052 ZWIJNAARDE, BE
CITIZENSHIP: BE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 9. Weerachanan SOMJOM
RESIDENCE: Uttaradit 53000, TH
POST OFFICE ADDRESS: 189/11 M.1 Tasao district, Uttaradit 53000, TH
CITIZENSHIP: TH
SIGNATURE / DATE _____

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, I, COVESTRO DEUTSCHLAND AG of I, Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to:

The attached application, OR

United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015
(Confirmation No. _____).

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(e), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

1. Dr. Karl-Heinz KÖHLER
52078 Aachen-Brand, DE
An der Unterbahn 31, 52078 Aachen-Brand, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

2. Dr. Ricarda LEIBERICH
63263 Neu-Isenburg, DE
An der Aue 15, 63263 Neu-Isenburg, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

3. Kaspar HALLENBERGER
51375 Leverkusen, DE
Dechant-Fein-Str. 24, 51375 Leverkusen, DE
DE

K. Hallenberger Nov. 7, 2016

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

4. Dr. Korbinian KRÄMER
50733 Köln, DE
Schwerinstr. 25, 50733 Köln, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

5. Dr. Florian LIPSKI
40882 Ratingen, DE
Peter-Kraft-Straße 74, 40882 Ratingen, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

6. Dr. Henning KAHNIS
50667 Köln, DE
Siegfriedstr. 4, 50667 Köln, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

7. Gabriel DENECKER
2920 Kalrnhout,
Vinkenlaan 18, 2920 Kalrnhout

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

8. Johan VANDEN EYNDE
9052 ZWIJNAARDE, BE
Hekers 81, 9052 ZWIJNAARDE, BE
BE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

9. Weerachanan SOMHOM
Uttaradit 53000, TH
189/11 M.1 Tusao district, Uttaradit 53000, TH
TH

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, I, COVESTRO DEUTSCHLAND AG of 1. Kaiser-Willhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to:

- The attached application, OR United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015 (Confirmation No. _____).

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(l)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR: 1. Dr. Karl-Heinz KÖHLER
RESIDENCE: 52078 Aachen-Brand, DE
POST OFFICE ADDRESS: An der Unterbahn 31, 52078 Aachen-Brand, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 2. Dr. Ricarda LEIBERICH
RESIDENCE: 63263 Neu-Isenburg, DE
POST OFFICE ADDRESS: An der Aue 15, 63263 Neu-Isenburg, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 3. Kaspar HALLENBERGER
RESIDENCE: 51375 Leverkusen, DE
POST OFFICE ADDRESS: Dechant-Fein-Str. 24, 51375 Leverkusen, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 4. Dr. Korbinian KRÄMER
RESIDENCE: 50733 Köln, DE
POST OFFICE ADDRESS: Schwerinstr. 25, 50733 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE KL 2016-10-18

FULL NAME OF INVENTOR: 5. Dr. Florian LIPSKI
RESIDENCE: 40882 Ratingen, DE
POST OFFICE ADDRESS: Peter-Kraft-Straße 74, 40882 Ratingen, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 6. Dr. Henning KAHNIS
RESIDENCE: 50667 Köln, DE
POST OFFICE ADDRESS: Siegfriedstr. 4, 50667 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 7. Gabriel DENECKER
RESIDENCE: 2920 Kalmthout,
POST OFFICE ADDRESS: Vinkenlaan 18, 2920 Kalmthout
CITIZENSHIP:
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 8. Johan VANDEN EYNDE
RESIDENCE: 9052 ZWIJNAARDE, BE
POST OFFICE ADDRESS: Hekers 81, 9052 ZWIJNAARDE, BE
CITIZENSHIP: BE
SIGNATURE / DATE _____

FULL NAME OF INVENTOR: 9. Weerachanan SOMHOM
RESIDENCE: Uttaradit 53000, TH
POST OFFICE ADDRESS: 189/11 M.1 Tasao district, Uttaradit 53000, TH
CITIZENSHIP: TH
SIGNATURE / DATE _____

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below, and

Whereas, 1 COVESTRO DEUTSCHLAND AG of 1 Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor,

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U S C §119, and I/we request the Director of the U S Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made

(Legalization not required for recording but is prima facie evidence of execution under 35 U S C §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to

- The attached application, OR United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015 (Confirmation No
_____)

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon

POST-AIA

The above identified application was made or was authorized to be made by me

I believe I am the original inventor or an original joint inventor of a claimed invention in the application

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application See 37 CFR 1.14(c) and (h) This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

1. Dr. Karl-Heinz KÖHLER
52078 Aachen-Brand, DE
An der Unterbahn 31, 52078 Aachen-Brand, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

2. Dr. Ricarda LEIBERICH
63263 Neu-Isenburg, DE
An der Aue 15, 63263 Neu-Isenburg, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

3. Kaspar HALLENBERGER
51375 Leverkusen, DE
Dechant-Fein-Str. 24, 51375 Leverkusen, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

4. Dr. Korbinian KRÄMER
50733 Köln, DE
Schwerdstr. 25, 50733 Köln, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

5. Dr. Florian LIPSKI
40882 Ratingen, DE
Peter-Kraft-Straße 74, 40882 Ratingen, DE
DE

F. Lipski *30.10.2016*

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

6. Dr. Hanning KAHNIS
50667 Köln, DE
Siegfriedstr. 4, 50667 Köln, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

7. Gabriel DENECKER
2920 Kalmthout,
Vinkenlaan 18, 2920 Kalmthout

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

8. Johan VANDEN EYNDE
9052 ZWIJNAARDE, BE
Bekers 81, 9052 ZWIJNAARDE, BE
BE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

9. Weerachanan SOMHOM
Uttaradit 53000, TH
189/11 M.1 Tasao district, Uttaradit 53000, TH
TH

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below, and

Whereas, I COVESTRO DEUTSCHLAND AG of 1. Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor,

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U S C §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns, and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made

(Legalization not required for recording but is prima facie evidence of execution under 35 U S C §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to

- The attached application, OR United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015 (Confirmation No
_____)

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon

POST-AIA

The above identified application was made or was authorized to be made by me

I believe I am the original inventor or an original joint inventor of a claimed invention in the application

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR: 1. Dr. Karl-Heinz KÖHLER
RESIDENCE: 52078 Aachen-Brand, DE
POST OFFICE ADDRESS: An der Unterbahn 31, 52078 Aachen-Brand, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 2. Dr. Ricarda LEIBERICH
RESIDENCE: 63263 Neu-Isenburg, DE
POST OFFICE ADDRESS: An der Aue 15, 63263 Neu-Isenburg, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 3. Kaspar HALLENBERGER
RESIDENCE: 51375 Leverkusen, DE
POST OFFICE ADDRESS: Dechant-Fein-Str. 24, 51375 Leverkusen, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 4. Dr. Korbinian KRÄMER
RESIDENCE: 50733 Köln, DE
POST OFFICE ADDRESS: Schwerinstr. 25, 50733 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 5. Dr. Florian LIPSKI
RESIDENCE: 40882 Ratingen, DE
POST OFFICE ADDRESS: Peter-Kraft-Straße 74, 40882 Ratingen, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 6. Dr. Henning KAHNIS
RESIDENCE: 50667 Köln, DE
POST OFFICE ADDRESS: Siegfriedstr. 4, 50667 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE
*HR 12.10.16
50678 Köln, DE
Oberländer Wall 30, 50678 Köln, DE
Dr. Henning Kahnis 18.10.2016*

FULL NAME OF INVENTOR: 7. Gabriel DENECKER
RESIDENCE: 2920 Kalmthout,
POST OFFICE ADDRESS: Vinkenlaan 18, 2920 Kalmthout
CITIZENSHIP:
SIGNATURE / DATE

FULL NAME OF INVENTOR: 8. Johan VANDEN EYNDE
RESIDENCE: 9052 ZWIJNAARDE, BE
POST OFFICE ADDRESS: Hekeers 81, 9052 ZWIJNAARDE, BE
CITIZENSHIP: BE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 9. Weerachanan SOMHOM
RESIDENCE: Uttaradit 53000, TH
POST OFFICE ADDRESS: 189/11 M.1 Tasao district, Uttaradit 53000, TH
CITIZENSHIP: TH
SIGNATURE / DATE

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below, and

Whereas, I COVESTRO DEUTSCHLAND AG of I Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor,

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U S C §119, and I/we request the Director of the U S Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns, and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made (Legalization not required for recording but is prima facie evidence of execution under 35 U S C §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to

- The attached application, OR United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015 (Confirmation No
_____)

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon

POST-AIA

The above identified application was made or was authorized to be made by me

I believe I am the original inventor or an original joint inventor of a claimed invention in the application

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application See 37 CFR 1.14(c) and (h) This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

1. Dr. Karl-Heinz KÖHLER
52078 Aachen-Brand, DE
An der Unterbahn 31, 52078 Aachen-Brand, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

2. Dr. Ricarda LEIBERICH
63263 Neu-Isenburg, DE
An der Aue 15, 63263 Neu-Isenburg, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

3. Kaspar HALLENBERGER
51375 Leverkusen, DE
Dechant-Fein-Str. 24, 51375 Leverkusen, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

4. Dr. Korbinian KRÄMER
50733 Köln, DE
Schwerinstr. 25, 50733 Köln, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

5. Dr. Florian LIPSKI
40882 Ratingen, DE
Peter-Kraif-Strasse 74, 40882 Ratingen, DE
DE

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

6. Dr. Henning KAHNIS
50667 Köln, DE
Siegfriedstr. 4, 50667 Köln, DE
DE

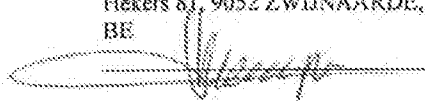
FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

7. Gabriel DENECKER
2920 Kalmthout, BE
Vinkenlaan 18, 2920 Kalmthout

 6/6/2017

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

8. Johan VANDEN EYNDE
9052 ZWIJNAARDE, BE
Hekers 81, 9052 ZWIJNAARDE, BE
BE

 29/05/2013

FULL NAME OF INVENTOR:
RESIDENCE:
POST OFFICE ADDRESS:
CITIZENSHIP:
SIGNATURE / DATE

9. Weerachanan SOMHOM
Uttaradit 53000, TH
189/11 M.1 Tasao district, Uttaradit 53000, TH
TH

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**ASSIGNMENT**

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, I. COVESTRO DEUTSCHLAND AG of 1, Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, DE, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

As a below named inventor, I hereby declare that this assignment with declaration is directed to:

The attached application, OR United States Application or PCT International Application
Number PCT/EP2015/059774 filed on 05-05-2015 (Confirmation No. _____).

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

METHOD FOR PRODUCING DIARYL CARBONATES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(b)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

FULL NAME OF INVENTOR: 1. Dr. Karl-Heinz KÖHLER
RESIDENCE: 52078 Aachen-Brand, DE
POST OFFICE ADDRESS: An der Unterbahn 31, 52078 Aachen-Brand, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 2. Dr. Ricarda LEIBERICH
RESIDENCE: 63263 Neu-Isenburg, DE
POST OFFICE ADDRESS: An der Aue 15, 63263 Neu-Isenburg, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 3. Kaspar HALLENBERGER
RESIDENCE: 51375 Leverkusen, DE
POST OFFICE ADDRESS: Dechant-Fein-Str. 24, 51375 Leverkusen, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 4. Dr. Korbilian KRÄMER
RESIDENCE: 50733 Köln, DE
POST OFFICE ADDRESS: Schwerinstr. 25, 50733 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 5. Dr. Florian LIPSKI
RESIDENCE: 40882 Ratingen, DE
POST OFFICE ADDRESS: Peter-Kraft-Straße 74, 40882 Ratingen, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 6. Dr. Henning KAHNIS
RESIDENCE: 50667 Köln, DE
POST OFFICE ADDRESS: Siegfriedstr. 4, 50667 Köln, DE
CITIZENSHIP: DE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 7. Gabriel DENECKER
RESIDENCE: 2920 Kalmthout,
POST OFFICE ADDRESS: Vinkenlaan 18, 2920 Kalmthout
CITIZENSHIP:
SIGNATURE / DATE

FULL NAME OF INVENTOR: 8. Johan VANDEN EYNDE
RESIDENCE: 9052 ZWIJNAARDE, BE
POST OFFICE ADDRESS: Hekers 81, 9052 ZWIJNAARDE, BE
CITIZENSHIP: BE
SIGNATURE / DATE

FULL NAME OF INVENTOR: 9. Weerachanan SOMHOM
RESIDENCE: Uttarakit 53000, TH
POST OFFICE ADDRESS: 189/11 M.1 Tasao district, Uttarakit 53000, TH
CITIZENSHIP: TH
SIGNATURE / DATE *Weerachanan* *Jun 1, 2017*