## 505591047 07/26/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5637847

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
THOMAS ERNST MULLER	05/14/2019
CHRISTOPH GURTLER	05/13/2019
CARSTEN KOOPMANS	05/15/2019
VOLKER MARKER	05/14/2019
CLAUDINE RANGHEARD	06/05/2019
WALTER LEITNER	05/21/2019

## **RECEIVING PARTY DATA**

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City:	ty: LEVERKUSEN	
State/Country:	GERMANY	
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## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16481115

## **CORRESPONDENCE DATA**

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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.

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NAME OF SUBMITTER:	N. DENISE BROWN
SIGNATURE:	/N. Denise Brown/
DATE SIGNED:	07/26/2019

**Total Attachments: 12** 

PATENT REEL: 049867 FRAME: 0770

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PATENT REEL: 049867 FRAME: 0771

#### 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 known 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)

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RATION					
As a below	named inventor, I hereby	declare t	that this assignment with declaration is directed to		
□ т	he attached application,	OR 🗵	United States Application or PCT International Application Number PCT/EP2018/052268 filed on 2018-01-30 (Confirmation No)		
PRE-	AIA				
M	y residence, mailing addr	ess, and c	citizenship are as stated below next to my name		
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co	ntinuation-in-part applica	tions, ma	nformation which is material to patentability as defined in 37 CFR 1 56, including for aterial information which became available between the filing date of the prior application al filing date of the continuation-in-part application		
an sta	d belief are believed to be atements and the like so m	true, and ade are p	nade herein of my own knowledge are true and that all statements made on information id further that these statements were made with the knowledge that willful false punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United lse statements may jeopardize the validity of the application or any patent issued thereon		
POST	T-AIA				
Th	ne above identified applica	ition was	s made or was authorized to be made by me		

## Authorization To Permit Access To Application by Participating Office

18 USC 1001 by fine or imprisonment of not more than five (5) years, or both

☐ 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

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

[Page 1]

BMS 131154 PCT-US

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FULL NAME OF INVENTOR RESIDENCE POST OFFICE ADDRESS CITIZENSHIP SIGNATURE / DATE Dr Thomas Ernst MULLER
52074 Aachen, DE
Hohenweg 11, 52074 Aachen, DE
DE

14.5. 2019

2 Dr Christoph GURTLER 50735 Koln, DE Am Botanischen Garten 42, 50735 Koln, DE DE

3 Dr Carsten KOOPMANS 40723 Hilden, DE Akazienweg 10, 40723 Hilden, DE DE

4 Volker MARKER 51399 Burscheid, DE Sauers Weiden 2B, 51399 Burscheid, DE DE

5 Dr Claudine RANGHEARD 52064 Aachen, DE Morgensstr 4, 52064 Aachen, DE FR

6 Prof Dr Walter LEITNER 52074 Aachen, DE Brusseler Ring 37, 52074 Aachen, DE DE

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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 known 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.

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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/EP2018/052268 filed on 2018-01-30 (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 THE PRODUCTION OF POLYOXAZOLIDINONE POLYMER COMPOUNDS

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 mc

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

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FULL NAME OF INVENTOR RESIDENCE POST OFFICE ADDRESS CITIZENSHIP SIGNATURE / DATE	1 Dr Thomas Ernst MULLER 52074 Aachen, DE Hohenweg 11, 52074 Aachen, DE DE
FULL NAME OF INVENTOR RESIDENCE POST OFFICE ADDRESS CITIZENSHIP SIGNATURE / DATE	2 Dr Christoph GURTLER 50735 Koln, DE Am Botanischen Garten 42, 50735 Koln, DE DE Milloph Alle 13. 3. 201
FULL NAME OF INVENTOR RESIDENCE POST OFFICE ADDRESS CITIZENSHIP SIGNATURE / DATE	3 Dr Carsten KOOPMANS 40723 Hilden, DE Akazienweg 10, 40723 Hilden, DE DE
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FULL NAME OF INVENTOR RESIDENCE POST OFFICE ADDRESS CITIZENSHIP SIGNATURE / DATE	5 Dr Claudine RANGHEARD 52064 Aachen, DE Morgensstr 4, 52064 Aachen, DE FR
FULL NAME OF INVENTOR RESIDENCE POST OFFICE ADDRESS	6 Prof Dr Walter LEITNER 52074 Aachen, DE Brusseler Rug 37, 52074 Aachen, DE

CITIZENSHIP SIGNATURE / DATE

#### 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 known 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

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PC	POST-AIA					
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# Authorization To Permit Access To Application by Participating Office

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BMS131154 PCT-US [Page 1] 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.

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FULL NAME OF INVENTOR: RESIDENCE: POST OFFICE ADDRESS: CITIZENSHIP: SIGNATURE / DATE	1. Dr. Thomas Ernst MÜLLER 52074 Aachen, DE Höhenweg 11, 52074 Aachen, DE DE
FULL NAME OF INVENTOR: RESIDENCE: POST OFFICE ADDRESS: CITIZENSHIP: SIGNATURE / DATE	Dr. Christoph GÜRTLER     50735 Köln, DE     Am Botanischen Garten 42, 50735 Köln, DE     DE
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SIGNATURE / DATE-

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	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				
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	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 Pei mit Access To Application by Participating Office				

application See 37 CFR 1 14(e) 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.

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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.

50735 Köln, DE

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

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3. Dr. Carsten KOOPMANS 40723 Hilden, DE Akazienweg 10, 40723 Hilden, DE DE

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5. Dr. Claudine RANGHEARD 52064 Auchen, DE Mörgensstr. 4, 52064 Aachen, DE FR

6. Prof. Dr. Walter LEITNER 52074 Aachen, DE Brüsseler Ring 37, 52074 Aachen, DE DR

#### 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.

DECLARATIO	ľ	١
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forth in the Patent or consider upon to a full right	the application to the assigned in the invention and I/we will ation all papers deemed need to so by the assignee, its suc- to convey the interest assignee.	ee, its s witho essary ecessor ned by	uccess ut furt by the s, lega this as	atent and Trademark Office to issue any Letters Patent granted upon the invention set sors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters her consideration, communicate all facts known to me/us and execute without further assignee in connection with the United States and foreign applications when called I representatives, or assigns I/We further represent and warrant that I/We have the ssignment, and that I/We have not granted any rights inconsistent with the rights agation of assignment of this invention to assignee at the time the invention was made.		
(Legalız	ation not required for record	ing but	ıs prı	ma facie evidence of execution under 35 U.S C. §261)		
RATION	N .					
As a bel	ow named inventor, I hereby	decla	re that	this assignment with declaration is directed to		
	The attached application,	OR		United States Application or PCT International Application Number PCT/EP2018/052268 filed on 2018-01-30 (Confirmation No).		
рт	RE-AIA					
II		ace an	douter	tenship 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 THE PRODUCTION OF POLYOXAZOLIDINONE POLYMER COMPOUNDS					
	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 i	nvento	r 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.						

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**RECORDED: 07/26/2019** 

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