506521018 02/24/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6567793

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHIAS WITSCHEL	04/24/2018
THOMAS MIETZNER	12/12/2018
MANUEL JOHANNES	05/24/2018
THOMAS SEITZ	06/24/2018
TREVOR WILLIAM NEWTON	05/08/2018
GERD KRAEMER	09/04/2018
STEFAN TRESCH	05/22/2018

RECEIVING PARTY DATA

Name:	BASF SE
Street Address:	CARL-BOSCH-STRASSE 38
City:	LUDWIGSHAFEN AM RHEIN
State/Country:	GERMANY
Postal Code:	67056

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16303766	

CORRESPONDENCE DATA

Fax Number: (312)474-0448

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.

Phone: (312)474-6300

Email: rebecca@marshallip.com, docket@marshallip.com

Correspondent Name: MARSHALL, GERSTEIN & BORUN LLP

Address Line 1: 233 SOUTH WACKER DRIVE

Address Line 2: 6300 WILLIS TOWER

Address Line 4: CHICAGO, ILLINOIS 60606-6357

ATTORNEY DOCKET NUMBER: 32471/160430

NAME OF SUBMITTER: JAMES J. NAPOLI

SIGNATURE: /James J. Napoli/

DATE SIGNED: 02/24/2021

Total Attachments: 30
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Individual Assignment (including Assignment of Priority Rights)

The undersigned (hereinafter collectively referred to as "Assignor") has invented an invention as disclosed in the application(s)

Country	Application N	lo. Filing Date
Europea	n Patent 16172769.8	03 Jun 2016
PCT	PCT/EP2017/	062436 23 May 2017
Argentina	a 170101525	02 Jun 2017

(hereinafter collectively referred to as "Application(s)").

I do hereby authorize Assignee or its designee to insert here any further identification(s), including Application Number(s), Filing Date(s), and Filing Country(ies).

As the below named inventor(s), I hereby declare that the above-identified Application(s) was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby confirms that Assignor already did, or agrees to and hereby does, assign and transfer unto BASF SE, Carl-Bosch-Strasse 38, 67056 Ludwigshafen am Rhein, Germany (hereinafter referred to as "Assignee") and its successors in interest and assignees, the full and exclusive right, title, and interest, throughout the world, including (i) the right to claim priority under the laws of any country, the Paris Convention, and the Patent Cooperation Treaty to the Application(s), (ii) in and to the invention as described in the Application(s) and the Application(s) itself, and (iii) in and to all divisions, continuations, and continuations-in-part, or other applications claiming priority directly or indirectly from the Application(s) and all Letters Patent, utility models, industrial designs, petty patents, design registrations, copyrights, and legal equivalents thereof that may be granted for the invention, and (iv) all reissues, reexaminations and extensions thereof, these and the full and exclusive right, title, and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had the assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents, utility models, industrial designs, petty patents, design registrations, copyrights, and legal equivalents thereof resulting therefrom.

I do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

Page 1

160430WO01 RecID 85273402

I authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or Notarial True Copy thereof, being under covenant not only that I have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

(Signature page(s) follow(s))

Subscribed and Declared by: Inventor: WITSCHEL, Matthias

Place:

Date:

Signature:

WITSCHEL, Matthias

Name:

WITSCHEL, Matthias

Address:

Hoehenweg 12b, 67098 Bad Duerkheim

Country:

Germany

Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by:
Inventor: MIETZNER, Thomas

Place: _____(City)

Date:

(day, month, year)

Signature: ______MIETZNER, Thomas

Name: MIETZNER, Thomas

Address: Rehbergstr. 62, 76855 Annweiler

Country: Germany Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by: Inventor: JOHANNES, Manuel

Place: ______(City)

Date: ______(day, month, year)

Signature: ______JOHANNES, Manuel

Name:

JOHANNES, Manuel

Address:

Moritz-Sommer-Str. 12 a, 40225 Duesseldorf

Country:

Germany

Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by: Inventor: SEITZ, Thomas

Place: Luday (Aufter

Date: <u>24.06.2618</u>

(day, month, year)

Signature: SEITZ, Thomas

Name: SEITZ, Thomas

Address: Emil-Nole-Strasse 10, 68519 Viernheim

Country: Germany Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by:

Inventor: NEWTON, Trevor William

Place:

Date:

(day, month, year)

Signature:

NEWTON, Trevor William

Name:

NEWTON, Trevor William

Address:

Neubergstrasse 30, 67435 Neustaddt

Country:

Germany

Nationality:

United Kingdom

Employed by (at the time of invention): BASF SE

Of Country:

Germany

Subscribed and Declared by: Inventor: KRAEMER, Gerd

Ladnizshafin (City)

Date:

4th September 2018

(day, month, year)

Signature:

⟨KRAEMER, Gerd⟩

Name:

KRAEMER, Gerd

Address:

Ebertsheimerstr. 19, 67304 Kerzenheim

Country:

Germany

Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by: Inventor: TRESCH, Stefan

Place:

(City

Date:

<u>Q2 . Mey 20/3</u> ∳(day, month,∕∮ear)

Signature:

TRESCH, Stefan

Name:

TRESCH, Stefan

Address:

Schlossstr. 119, 67434 Neustadt Hambach

Country:

Germany Germany

Nationality: G

Employed by (at the time of invention): BASF SE

Of Country:

Germany

Assignee Acceptance

Employer, the Assignee: BASF SI		
hereby accepts the Assignment		
from, the Assignor		
WITSCHEL, Matthias MIETZNER, Thomas SEITZ, Thomas NEWTON, Trevor William		
KRAEMER, Gerd TRESCH, Stefan		
of the invention as disclosed in the follo	wing application(s):	
Country Application No. European Patent PCT 16172769.8 PCT/EP2017/06243 Argentina 170101525	Filing Date 03 Jun 2016 36 23 May 2017 02 Jun 2017	
without any restrictions and with all righ confirmation of acceptance shall deeme		
Signed and accepted at Ludwigshaf	en	
this $4^{ ext{th}}$ day of $8^{ ext{Log} ext{th}}$, 20^{-1}	. 8 (3) 	
BASF SE		
Dr. Thomas Cimní	Lak	2

1. NAME/TITLE: Dr. Thomas Cimniak
Vice President
SIGNATURE:

Authorized Representative)

2. NAME/TITLE: Vice President
SIGNATURE:
(Authorized Representative)

U.R.Nr. 2632/2018

I. Dr. Matthias Meyer, notary public at Ludwigshafen/Rhine, Federal Republic of Germany, hereby testify and confirm that the foregoing signatures of

- 1 a) Mr. Matthias Witschel, residing at Hoehenweg 12b, 67098 Bad Dürkheim, Germany, personally known to me,
 - b) Mr. Thomas Seitz, residing at Emil-Nolde-Straße 10, 68519 Viernheim, Germany, personally known to me,
 - c) Mr. Trevor William Newton, residing at Neubergstr. 30, 67435 Neustadt, Germany, Citizen of United Kingdom, personally known to me,
 - d) Mr. Gerd Kraemer, residing at Ebertsheimer Straße 19, 67304 Kerzenheim, Germany, personally known to me,
- e) Mr. Stefan Tresch, residing at Schloßstraße 119, 67434 Neustadt Hambach,

are true and valid;

- 2. a) graduate chemist Dr. Thomas Cimniak, born in July 18, 1962, chemist of BASF SE, business address at Carl-Bosch-Straße 38, 67056 Ludwigshafen/Rhine, personally known to me,
 - b) graduate chemist Dr. Anke Jacobs, born on March 09, 1956, chemist of BASF SE, business address at Carl-Bosch-Straße 38, 67056 Ludwigshafen/Rhine,

are true and valid.

Graduate chemist Dr. Cimniak und graduate chemist Dr. Jacobs are acting on behalf of BASF SE at Ludwigshafen/Rhine.

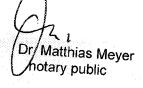
After having checked today the competent register of commerce, I herewith

graduate chemist Dr. Cimniak and graduate chemist Dr. Jacobs are Vice Presidents who are authorized to jointly represent

BASF SE,

udwigshafen/Rhine. I certify that this firm is a legal person duly organized der the laws of the Federal Republic of Germany and under the laws of the ENCOPEAN UNION and that it is registered at the District Court of Ludwigs-

Ludwigshinen/Rhine, this 04th day of September, 2018



Individual Assignment (including Assignment of Priority Rights)

The undersigned (hereinafter collectively referred to as "Assignor") has invented an invention as disclosed in the application(s)

Country	Applica	ition No. Fil	ing Date
Europear	n Patent 161727	69.8 03	Jun 2016
PCT	PCT/EF	2017/062436 23	May 2017
Argentina	a 170101	5 2 5 02	Jun 2017

(hereinafter collectively referred to as "Application(s)").

I do hereby authorize Assignee or its designee to insert here any further identification(s), including Application Number(s), Filing Date(s), and Filing Country(ies).

As the below named inventor(s), I hereby declare that the above-identified Application(s) was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby confirms that Assignor already did, or agrees to and hereby does, assign and transfer unto BASF SE, Carl-Bosch-Strasse 38, 67056 Ludwigshafen am Rhein. Germany (hereinafter referred to as "Assignee") and its successors in interest and assignees, the full and exclusive right, title, and interest, throughout the world, including (i) the right to claim priority under the laws of any country, the Paris Convention, and the Patent Cooperation Treaty to the Application(s), (ii) in and to the invention as described in the Application(s) and the Application(s) itself, and (iii) in and to all divisions, continuations, and continuations-in-part, or other applications claiming priority directly or indirectly from the Application(s) and all Letters Patent, utility models, industrial designs, petty patents, design registrations, copyrights, and legal equivalents thereof that may be granted for the invention, and (iv) all reissues, reexaminations and extensions thereof, these and the full and exclusive right, title, and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had the assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents, utility models, industrial designs, petty patents, design registrations, copyrights, and legal equivalents thereof resulting therefrom.

I do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

Page 1

160430WO01 RecID 85273402

I authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or Notarial True Copy thereof, being under covenant not only that I have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

(Signature page(s) follow(s))

	WITSCHEL, Matthias
Place:	
)ate:	(City)
	(day, month, year)
Signature:	
	WITSCHEL, Matthias

Name:

WITSCHEL, Matthias

Address: Hoehenweg 12b, 67098 Bad Duerkheim

Subscribed and Declared by:

Country: Germany Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by: Inventor: MIETZNER, Thomas

Place: 💹 🗸 🤫 🧀

(City)

Date:

12 12 20 18 (day, month, year)

Signature:

MIETZNER, Thomas

Name:

MIETZNER, Thomas

Address:

Rehbergstr. 62, 76855 Annweiler

Country:

Germany

Nationality: Germany

Employed by (at the time of invention): BASF SE

Of Country:

Germany

160430WO01 RecID 85273402

Subscribed and Declared by: Inventor: JOHANNES, Manuel

Place: _____(City)

Date: _____(day, month, year)

Signature: _____JOHANNES, Manuel

Name:

JOHANNES, Manuel

Address:

Moritz-Sommer-Str. 12 a, 40225 Duesseldorf

Country: Germany Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by: Inventor: SEITZ, Thomas

Place: _		
	(City)	
Date:		
	(day, month, year)	
Signature		
	SEITZ Thomas	

Name:

SEITZ, Thomas

Address:

Emil-Nole-Strasse 10, 68519 Viernheim

Country: Germany Nationality: Germany

Employed by (at the time of invention): BASF SE

Place: (City) Date: (day, month, year) Signature: NEWTON, Trevor William NEWTON, Trevor William Name: Neubergstrasse 30, 67435 Neustaddt Address: Country: Germany Nationality: United Kingdom Employed by (at the time of invention): BASF SE Of Country: Germany

Subscribed and Declared by:

Inventor: NEWTON, Trevor William

Subscribed and Declared by: Inventor: KRAEMER, Gerd

Place:

(City)

Date:

(day, month, year)

Signature:

KRAEMER, Gerd

Name: KRAEMER, Gerd

Address: Ebertsheimerstr. 19, 67304 Kerzenheim

Country: Germany Nationality: Germany

Employed by (at the time of invention): BASF SE

Subscribed and Declared by: Inventor: TRESCH, Stefan

Place:

(City)

Date:

(day, month, year)

Signature:

TRESCH, Stefan

Name:

TRESCH, Stefan

Address:

Schlossstr. 119, 67434 Neustadt Hambach

Country: Germany Nationality: Germany

Employed by (at the time of invention): BASF SE

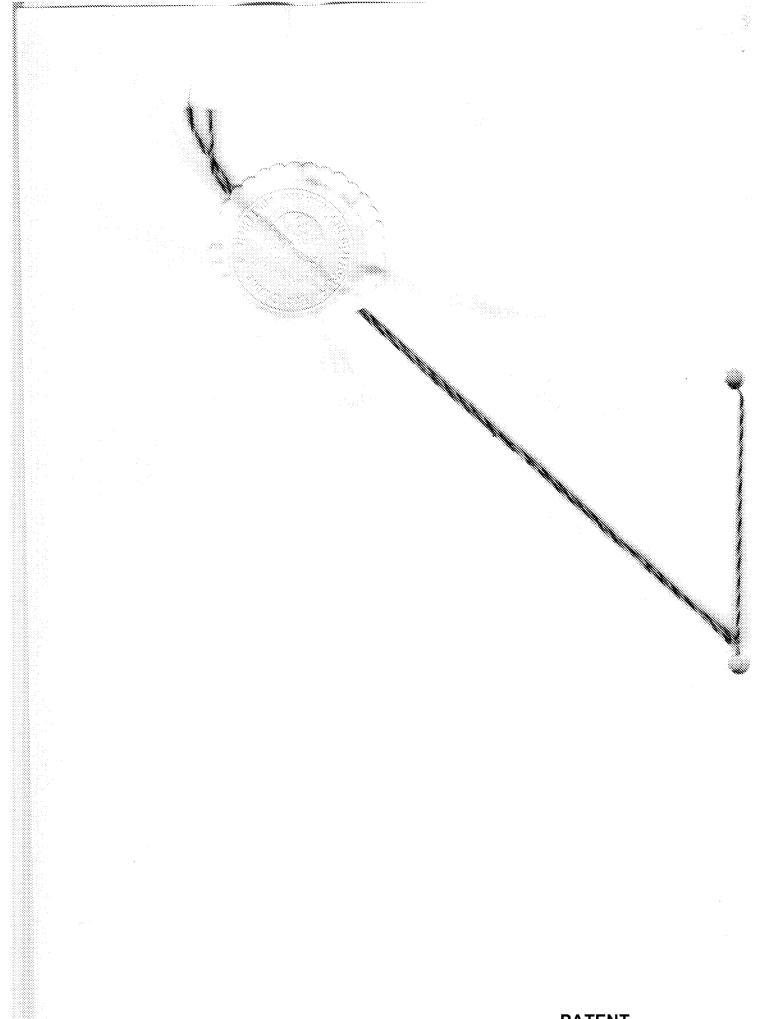
URNr. 1499)/2018 12th of December 2018

I Notary, hereby certify the signature on page before of Mr. Thomas Mietzner, born 26th of June, 1956, residing in Germany at 76855 Annweiler am Trifels-Bindersbach, Rehbergstraße 62, personally known to me.

Annweiler am Trifels, 12th of December 2018

Danne X

Eva Danne, Notary



Assignee Acceptance

Employer, the Assignee:

BASF SE

hereby accepts the Assignment

from, the Assignor

MIETZNER, Thomas

of the invention as disclosed in the following application(s):

Country **European Patent** Application No.

Filing Date

PCT

16172769.8 PCT/EP2017/062436 23 May 2017

03 Jun 2016

Argentina

170101525

02 Jun 2017

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall deemed a part of said Assignment.

Signed and accepted at __Ludwigshafen/Rhine

this 8th __ day of <u>January</u> , 20<u>19</u>

BASF SE

1 NAME / TITLE: Dr. Thomas Cimniak SIGNATURE:

Vice President

(Authorized Representative)

2. NAME / TITLE: Dr. Alexander Wallon SIGNATURE:

Vice President

(Authorized Representative)

Urk-Nr. / Deed registration No.: 65/2019

I, Dr. Matthias Meyer, notary public at Ludwigshafen/Rhine, Federal Republic of Germany, hereby testify and confirm that the foregoing signatures of

- graduate chemist Dr. Thomas Cimniak, chemist, at Ludwigshafen/Rhine, personally known to me,
- graduate chemist Dr. Alexander Wallon, chemist at Ludwigs-2. hafen/Rhine, personally known to me,

are true and valid.

Graduate chemist Dr. Cimniak and graduate chemist Dr. Wallon are acting on behalf of BASF SE at Ludwigshafen/Rhine.

After having checked today the competent register of commerce, I herewith confirm that

graduate chemist Dr. Cimniak and graduate chemist Dr. Wallon are Vice Presidents who are authorized to jointly represent

BASF SE,

Ludwigshafen/Rhine. I certify that this firm is a legal person duly organized under the laws of the Federal Republic of Germany and under the laws of the EUROPEAN UNION and that it is registered at the District Court of Ludwigshafen/Germany (HR B 6000).

Ludwigshafen/Rhine, this 8th day of January, 2019

Dr. Matthias Meyer notary public



Individual Assignment (including Assignment of Priority Rights)

The undersigned (hereinafter collectively referred to as "Assignor") has invented an invention as disclosed in the application(s)

Country	Application No.	Filing Date
European Patent	16172769.8	03 Jun 2016
PCT	PCT/EP2017/062436	23 May 2017
Argentina	170101525	02 Jun 2017

(hereinafter collectively referred to as "Application(s)").

I do hereby authorize Assignee or its designee to insert here any further identification(s), including Application Number(s), Filing Date(s), and Filing Country(ies).

As the below named inventor(s), I hereby declare that the above-identified Application(s) was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby confirms that Assignor already did, or agrees to and hereby does, assign and transfer unto BASF SE, Carl-Bosch-Strasse 38, 67056 Ludwigshafen am Rhein, Germany (hereinafter referred to as "Assignee") and its successors in interest and assignees, the full and exclusive right, title, and interest, throughout the world, including (i) the right to claim priority under the laws of any country, the Paris Convention, and the Patent Cooperation Treaty to the Application(s), (ii) in and to the invention as described in the Application(s) and the Application(s) itself, and (iii) in and to all divisions, continuations, and continuations-in-part, or other applications claiming priority directly or indirectly from the Application(s) and all Letters Patent, utility models, industrial designs, petty patents, design registrations, copyrights, and legal equivalents thereof that may be granted for the invention, and (iv) all reissues, reexaminations and extensions thereof, these and the full and exclusive right, title, and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had the assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents, utility models, industrial designs, petty patents, design registrations, copyrights, and legal equivalents thereof resulting therefrom.

I do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

Page 1

I authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or Notarial True Copy thereof, being under covenant not only that I have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

(Signature page(s) follow(s))

Subscribed and Declared by: Inventor: JOHANNES, Manuel

Wiseldorf Place:

(City)

24,05,2018 Date:

(day, month, year)

Signature:

JOHANNES, Manuel

Name:

JOHANNES, Manuel

Address:

Moritz-Sommer-Str. 12 a, 40225 Duesseldorf

Country:

Germany

Nationality: Germany

Employed by (at the time of invention): BASF SE

Urkundenrolle Nummer

0423

/2018

I hereby certify that the document affixed and sealed hereto was signed in my presence by:

Mr Dr. Manuel Ralf-Peter J O H A N N E S, born on 26th July 1981, th residence in 40225 Düsseldorf, Moritz-Sommer-Str. 12A, in ntified by his identity card -.

Düsselaarf, this 24th May 2018

lischery

Hermann Frischen, deputy notary

Assignee Acceptance

Emp	love	r. th	e As	ssiar	nee:

BASF SE

hereby accepts the Assignment

from, the Assignor

JOHANNES, Manuel

of the invention as disclosed in the following application(s):

Country

Application No.

Filing Date

European Patent PCT

16172769.8 PCT/EP2017/062436 23 May 2017

03 Jun 2016

Argentina

170101525

02 Jun 2017

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall deemed a part of said Assignment.

Signed and accepted at <u>Ludwigshafen/Rhine</u>

this 11th day of September, 2018

BASF SE

1. NAME / TITLE: Dr. Thomas Cimniak

SIGNATURE:

Vice President

uthorized Representative)

2. NAME / TITLE: Dr. Martina Eberle

Vice Fresident

SIGNATURE:

(Authorized Representative)

Page 1

U.R.Nr. / Deed registration No. 2725/2018

I, Dr. Matthias Meyer, notary public at Ludwigshafen/Rhine, Federal Republic of Germany, hereby testify and confirm that the foregoing signatures of

- graduate chemist Dr. Thomas Cimniak, chemist, at Ludwigshafen/Rhine, personally known to me,
- Dr. Martina Eberle, lawyer, at Ludwigshafen/Rhine, personally known to me,

are true and valid.

Graduate chemist Dr. Cimniak and Dr. Eberle are acting on behalf of BASF SE at Ludwigshafen/Rhine.

After having checked today the competent register of commerce, I herewith confirm that

graduate chemist Dr. Cimniak and Dr. Eberle are Vice Presidents who are authorized to jointly represent BASF SE,

Ludwigshafen/Rhine. I certify that this firm is a legal person duly organized under the laws of the Federal Republic of Germany and under the laws of the EUROPEAN UNION and that it is registered at the District Court of Ludwigshafen/Germany (HR B 6000).

dwigshafen/Rhine, this 11th day of September, 2018

Dr Matthias Meyer notary public

> PATENT REEL: 055436 FRAME: 0461

RECORDED: 02/24/2021