PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7529567

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIRK W. LIMBACH	08/01/2018
CHRISTOPHER D. FRICK	07/31/2018
DMITRY A. KRAPTCHETOV	03/11/2019

RECEIVING PARTY DATA

Name:	ROHM AND HAAS COMPANY
Street Address:	400 ARCOLA ROAD
City:	COLLEGEVILLE
State/Country:	PENNSYLVANIA
Postal Code:	19426

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17252886

CORRESPONDENCE DATA

Fax Number:

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: 16092447849

Email:mcampos2@dow.comCorrespondent Name:MARIEN CAMPOSAddress Line 1:400 ARCOLA ROAD

Address Line 4: COLLEGEVILLE, PENNSYLVANIA 18974

ATTORNEY DOCKET NUMBER:	82235-US-PCT
NAME OF SUBMITTER:	BRIAN L. MUTSCHLER
SIGNATURE:	/Brian L. Mutschler/
DATE SIGNED:	09/09/2022

Total Attachments: 3

source=82235 ROH Assignments#page1.tif source=82235 ROH Assignments#page2.tif source=82235 ROH Assignments#page3.tif

PATENT 507482676 REEL: 061042 FRAME: 0177

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t 110 is to the ENGLIST language and his the zeroe exercised in other languages with the same 110 number and R/Des.

FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: HETEROGENEOUS CATALYST

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Rohm and Haas Company 400 Arcola Road Collegeville, Pennsylvania 19426 United States of America

an emity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our emire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

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Priority Number	Filing Date	Filing Country
62/691,128	June 28, 2018	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we 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.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patera be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we 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.

Subscribed and Declared by me/us:

At Collegeville HA	At:
this t day of Augus - , 20 (8	this day of , 20
Effective as of June 28,,2018	Effective as of June 28, 2018
\mathcal{N} \mathcal{N} \mathcal{N}	
Signature: A W TM	Signature:
Full Name: Kirk W. Limbach	Full Name: Christopher D. Frick
Mailing Address: 400 Arcola Road	Mailing Address: 400 Arcola Road
Collegeville, Pennsylvania 19426	Collegeville, Pennsylvania 19426
United States of America	United States of America
	, hamman and the second
At:	At:
this day of, 20	thisday of, 20
Effective as of June 28, 2018	
Signature:	612
**	Signature:
Full Name: Dmitry A. Kraptchetov	Full Name:
Mailing Address: 400 Arcola Road	Mailing Address:
Collegeville, Pennsylvania 19426	
United States of America	
4.	
At:	At:
this, 20	this, 20,
Simuture	Cinnatura
Signature:	Signature: Full Name:
	\$ 1
Mailing Address:	Mailing Address:

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and 8/L

FORM 110 (R 5/97)

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Rohm and Haas Company 400 Arcola Road Collegeville, Pennsylvania 19426 United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number. Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
62/691,128	June 28, 2018	United States of America

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we 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.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we 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.

Subscribed and Declared by me/us:

At:	At College/ille M
this day of , 20	this 31 day of 344 , 20 18
Effective as of June 28, 2018	Effective as of June 28, 2018
Signature: Full Name: Kirk W. Limbach Mailing Address: 400 Arcola Road Collegeville, Pennsylvania 19426	Signature: Full Name: Christopher D. Frick Mailing Address: 400 Arcola Road Collegeville, Pennsylvania 19426
United States of America	United States of America
A	
At: this day of , 20	At: this day of , 20
Effective as of June 28, 2018	Mas
Signature: Full Name: Dmitry A. Kraptchetov Mailing Address: 400 Arcola Road Collegeville, Pennsylvania 19426 United States of America	Signature: Pull Name: Mailing Address:
Ar-	1
this day of 20	this day of , 20
•	Signature: Pull Name: Mailing Address:
	Signature: Full Name:

PATENT REEL: 061042 FRAME: 0179

FORM 110 (R.5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

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Subscribed and Declared by me/us:

At:	At:
this day of , 20	this day of
Effective as of June 28, 2018	Effective as of June 28, 2018
Signature:	Signature:
Full Name: Kirk W. Limbach	Full Name: Christopher D. Frick
Mailing Address: 400 Arcola Road	Mailing Address: 400 Arcola Road
Collegeville, Pennsylvania 19426	Collegeville, Pennsylvania 19426
United States of America	United States of America
At: Collegeville, PA USA this 11 day of Maych , 20 19	At:
this 11 day of Mayeu, 20 19	this day of , 20
Effective as of June 28, 2018	
Signature: King di Ar	Signature:
Full Name: Dmitry A. Krapchetov	Full Name:
Mailing Address: 400 Arcola Road	Mailing Address:
Collegeville, Pennsylvania 19426	maning , tun sao.
United States of America	
	B
At:	At:
this day of , 20	this day of , 20
Signature:	Signature:
Full Name:	Full Name:
Mailing Address:	Mailing Address:

PATENT REEL: 061042 FRAME: 0180