PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5990953

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NORMEN SZESNI	12/09/2019
ALFRED HAGEMEYER	12/03/2019
FRANK GROSSMAN	12/04/2019
RICHARD FISCHER	12/13/2019
MICHAEL URBANCIC	01/07/2020
CLAUS LUGMAIR	12/10/2019
MINGYONG SUN	01/07/2020
HONGYI C. HOU	12/10/2019
DAVID MICHAEL LOWE	12/10/2019
JENNIFER BOYER	01/07/2020

RECEIVING PARTY DATA

Name:	CLARIANT INTERNATIONAL LTD.
Street Address: ROTHAUSSTRASSE 61. MUTTENZ	
City:	BASEL-LANDSCHAFT
State/Country:	SWITZERLAND
Postal Code:	4132

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16694149	

CORRESPONDENCE DATA

Fax Number: (610)407-0701

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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Email: nmay@ratnerprestia.com

Correspondent Name: RATNERPRESTIA

Address Line 1: 2200 RENAISSANCE BLVD

Address Line 2: SUITE 350

Address Line 4: KING OF PRUSSIA, PENNSYLVANIA 19406

ATTORNEY DOCKET NUMBER: | SUDI-110US1

505944233 REEL: 052063 FRAME: 0751

NAME OF SUBMITTER:	GLENN E. J. MURPHY	
SIGNATURE:	/Glenn E. J. Murphy, Reg. No. 33,539/	
DATE SIGNED:	03/02/2020	
Total Attachments: 30		
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> PATENT REEL: 052063 FRAME: 0752

COMBINED	DECLARATION/ASSIGNMENT - Patent Application	Docket Number: <u>SUDI-110US1</u>	
Whereas, the Assig	gnor, comprising the following named inventors:		
	1. Normen Szesni	2. Alfred Hagemeyer	
ASSIGNOR(s)/ INVENTOR(s)	3. Frank Grossmann	4. Richard Fischer	
	5. Michael Urbancic	6. Claus Lugmair	
	7. Mingyong Sun	8. Hongyi C. Hou	
	9. David Michael Lowe	10. Jennifer Boyer	
made an invention	entitled: CATALYST COMPOSITION FOR CHARACTERISTICS	SELECTIVE HYDROGENATION WITH IMPROVED	
for which an application (Select one of the f	ation for Letters Patent of the United States (the following):	Application):	
was filed in t	concurrently herewith the U.S. Patent and Trademark Office on <u>Novemb</u> ent Application Serial No.: <u>16/694,149</u>	per 25, 2019,	
ASSIGNEE (Full Name and Address) Clariant International Ltd Rothausstrasse 61. Muttenz Basel-Landschaft Switzerland 4132			
is desirous of acqui	iring the entire interest in and to said invention ar	d the Letters Patent to be obtained therefor	

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including the Application, all divisions, continuations, and continuations-in-part thereof and non-provisional applications claiming priority thereto, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto and authorizes Assignee to file such applications for Letters Patent in the United States and any and all other countries.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. Assignor also agrees that it will not engage, participate, or take part in any action conflicting with this Assignment, including but not limited to challenging the validity or patentability or enforceability of any patent rights relating to this invention or assisting others with such a challenge.

If any provision in this Assignment is held invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

Assignor authorizes Assignee's attorney to insert the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor Includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Page 1 of 3 Modified 4/16/2018

Docket Number: SUDI-110US1

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or 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 declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

		Typed or Printed Name	Signature	Date
	1.	Normen Szesni	Normen Szesni * Witness	09.12.2019
	2.	Alfred Hagemeyer	Alfred Hagemeyer	
			* Witness	
	3.	Frank Grossmann		
			Frank Grossmann	
SIGNATURE	5,000,000,000,00		* Witness	
	4.	Richard Fischer		
	'		Richard Fischer	
	manta, pt. pts.		* Witness	
	5.	Michael Urbancic		
			Michael Urbancic	
			* Witness	
	6.	Claus Lugmair		
			Claus Lugmair	
			* Witness	

Page 2 of 3 Modified 4/16/2018

		Typed or Printed N	lame Signature	Date
	7.	Mingyong Sun		
			Mingyong Sun	
	estate specialistics	tti kari kari kati kati kati kati kati kati kati kat	* Witness	
	8.	Hongyi C. Hou		
SIGNATURE			Hongyi C. Hou	
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	9.	David Michael Lo		
			David Michael Lowe	
		MANANE VANANTANIA SANTANIA SA	* Witness	
	10.	Jennifer Boyer		
			Jennifer Boyer	
			* Witness	
	<u></u>			
**Assignee				
Signature				
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Title	·····	·		
Date				

Application for Ur	nited S	itates Letters Patent	:	
Serial No.:		<u>10</u>	5/681 <u>,196</u>	
Filed:		<u>N</u>	ovember 12, 2019	
Attorney Docket Number: SUDI-110US2				

Total Number of Assignment Pages 2

* Witness signature recommended, mandatory for some countries

**Assignee signature recommended, mandatory for some countries

COMBINED D	ECLARATION/ASSIGNMENT - Patent Application	Docket Number: SUDI-110US1			
Whereas, the Assign	nor, comprising the following named inventors:				
	1. Normen Szesni	2. Alfred Hagemeyer			
ASSIGNOR(s)/ INVENTOR(s)	3. Frank Grossmann	4. Richard Fischer			
	5. Michael Urbancic	6. Claus Lugmair			
	7. Mingyong Sun	8. Hongyi C. Hou			
	9. David Michael Lowe	10. Jennifer Boyer			
made an invention e	entitled: CATALYST COMPOSITION FOR S CHARACTERISTICS	ELECTIVE HYDROGENATION WITH IMPROVED			
	for which an application for Letters Patent of the United States (the Application): (Select one of the following):				
is submitted concurrently herewith was filed in the U.S. Patent and Trademark Office on November 25, 2019, as U.S. Patent Application Serial No.: 16/694,149					
ASSIGNEE (Full Name and Address) Clariant International Ltd Rothausstrasse 61. Muttenz Basel-Landschaft Switzerland 4132					

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including the Application, all divisions, continuations, and continuations-in-part thereof and non-provisional applications claiming priority thereto, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto and authorizes Assignee to file such applications for Letters Patent in the United States and any and all other countries.

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Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. Assignor also agrees that it will not engage, participate, or take part in any action conflicting with this Assignment, including but not limited to challenging the validity or patentability or enforceability of any patent rights relating to this invention or assisting others with such a challenge.

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Assignor authorizes Assignee's attorney to insert the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Page 1 of 3 Modified 4/16/2018

Docket Number: SUDI-110US1

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or 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.

		Typed or Printed Name	Signature		Date
and the second s	1.	Normen Szesni			
			Normen Szesni		· · · · · · · · · · · · · · · · · · ·
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	2.	Alfred Hagemeyer	* Witness Alfred Hagement	·	12/03/19
		,	Alfred Hagemeyer	-	12/03/19
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	3.	Frank Grossmann		• .	
			Frank Grossmann		
SIGNATURE			* Witness		
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	4.	Richard Fischer	Richard Fischer		
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	5.	Michael Urbancic			
			Michael Urbancic		
		•	* Witness		And the second s
	6.	Claus Lugmair			
			Claus Lugmair		
			* Witness		

	Typed or Printe	d Name	Signature	Date
	7. Mingyong Sun		Mingyong Sun	
			Mingyong Sun	
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	8. Hongyi C. Hou			
	o. Hongyi C. Hou		Hongyi C. Hou	
SIGNATURE			**	
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	9. David Michael	Lowe		
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	10. Jennifer Boyer			
			Jennifer Boyer	
			* Witness	
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**Assignee				
Signature				
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Date				
Application for Liv	nited States Letters Pat	ent:		
Serial No.:	illed States Letters Fat		0	
		16/694,14		
Filed:	The second secon			
Attorney Docket		<u>SUDI-110</u>		
Total Number of	f Assignment Pages	2	* Witness signature recommended,	•
			**Assignee signature recommended,	mandatory for some countries

COMBINED	DECLARATION/ASSIGNM Application	MENT - Patent	Docket Number: SUDI-110US1		
Whereas, the Ass	gnor, comprising the following	g named inventors:	. 5		
**************************************	1. Normen Szesni	Action (CAAA)	2. Alfred Hagemeyer		
ASSIGNOR(s)/ INVENTOR(s)	3. Frank Grossmann		4. Richard Fischer		
	5. Michael Urbancic		6. Claus Lugmair		
	7. Mingyong Sun		8. Hongyi C. Hou		
	9. David Michael Low	e	10. Jennifer Boyer		
made an inventior	n entitled: CATALYST C CHARACTER		LECTIVE HYDROGENATION WITH IMPROVED		
for which an appli (Select one of the	cation for Letters Patent of the following):	United States (the Ap	plication):		
is submitted was filed in	d concurrently herewith the U.S. Patent and Tradema ent Application Serial No.: <u>16</u>		<u>r 25, 2019,</u>		
ASSIGNEE (Full Name and Address) Clariant International Ltd Rothausstrasse 61. Muttenz Basel-Landschaft Switzerland 4132					
is desirous of acq	uiring the entire interest in an	d to said invention and	the Letters Patent to be obtained therefor,		
Now, the (\$1.00), and for of be legally bound, and interest in andivisions, continuate claim priority be patent rights in the United States and	refore, in consideration of the ther good and valuable consideration of the hereby sells, assigns and traditions, and invention, all applications, and continuations-in-pased thereon, and all Letters I is invention corresponding the lany and all other countries.	payment by Assignee deration, the receipt of wasfers to Assignee, its tions for Letters Patent art thereof and non-propatent, including reissuppereto and authorizes Asserts	to Assignor of a sum corresponding to One Dollar which is hereby acknowledged, Assignor, intending to successors and assigns, the full and exclusive right, title for said invention, including the Application, all existence applications claiming priority thereto, all rights less, to be obtained therefor, including any and all foreign estignee to file such applications for Letters Patent in the		
	hereby warrants that no assiconflict with this Assignment.	gnment, sale, agreeme	nt or encumbrance has been or will be made or entered		
Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. Assignor also agrees that it will not engage, participate, or take part in any action conflicting with this Assignment, including but not limited to challenging the validity or patentability or enforceability of any patent rights relating to this invention or assisting others with such a challenge.					
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In witness whereof, this Assignment is executed on the day indicated below.

and collectively.

Page 1 of 3 Modified 4/16/2018

Docket Number: SUDI-110US1

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

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

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		Typed or Printed Name	Signature	Date
	1.	Normen Szesni		
			Normen Szesni	
			* Witness	
	2.	Alfred Hagemeyer	AD ALL	
			Alfred Hagemeyer	
			* Witness	
	3.	Frank Grossmann	F. froh	4. pc 2019
	İ		Frank Grossmann	4.12.2019
SIGNATURE			* Witness & Burgfels	omidel dels la company and a broken dels and a company of the state of
	4.	Richard Fischer		
			Richard Fischer	
			* Witness	
	5.	Michael Urbancic		
			Michael Urbancic	
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	6.	Claus Lugmair		
			Claus Lugmair	
			* Witness	

Page 2 of 3 Modified 4/16/2018

	,	Typed or Printed	l Name	Signature	Date
	7.	Mingyong Sun			
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	8.	Hongyi Ç. Hou			
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SIGNATURE				* Witness	***************************************
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	9.	David Michael I	Lowe	David Michael Lowe	***************************************
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	10.	Jennifer Boyer			
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				* Witness	***************************************
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**Assignee					
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Application for U	nited \$	States Letters Pat	ent:		
Serial No.:			16/694,14	9	
Filed:			November	<u> 25, 2019</u>	
Attorney Docket	Numb	er:	SUDI-110	<u>US1</u>	
Total Number of	of Ass	ignment Pages	2	* Witness signature recommende	d, mandatory for some countries
				**Assignee signature recommende	ed, mandatory for some countries

Page 3 of 3 Modified 4/16/2018

COMBINED D	ECLARATION/ASSIGNMENT - Patent Application	Docket Number: SUDI-110US1			
Whereas, the Assig	nor, comprising the following named inventors:				
	1. Normen Szesni	2. Alfred Hagemeyer			
ASSIGNOR(s)/ INVENTOR(s)	3. Frank Grossmann	4. Richard Fischer			
	5. Michael Urbancic	6. Claus Lugmair			
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Page 1 of 3 Modified 4/16/2018

Docket Number: SUDI-110US1

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		Typed or Printed Name	Signature	Date
	1.	Normen Szesni		
			Normen Szesni	
		nen andre de de la company br>La company de la company d	* Witness	enter the content of
	2.	Alfred Hagemeyer		•
			Alfred Hagemeyer	***************************************
	anne notae o		* Witness	
	3.	Frank Grossmann		
SIGNATURE	***************************************		Frank Grossmann	
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	4.	Richard Fischer	2. Heles	13 N. WA
			Richard Fischer Dana NGB	13.12.2019
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	5.	Michael Urbancic	#MANAGEMENT OF THE PROPERTY OF	·
			Michael Urbancic	
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	6.	Claus Lugmair		**************************************
			Claus Lugmair	
			* Witness	

Page 2 of 3 Modified 4/16/2018

	Typed or Printe	d Name	Signature	Date
	7. Mingyong Sun			
			Mingyong Sun	
			* Witness	
	8. Hongyi C. Hou			
SIGNATURE			Hongyi C. Hou	
SIGNATORE			* Witness	
	9. David Michael	Lowe .	destructive and the second of the second	
		— ,	David Michael Lowe	
			* Witness	
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	10. Jennifer Boyer	•	Jennifer Boyer	
			·	
			* Witness	
	<u> </u>			
**Assignee				
Signature				
Title			***************************************	
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Application for U	nited States Letters Pat	ent:		
Serial No.:		16/694,14	9	
Filed:		Novembe	r 25, 2019	
Attorney Docket	Number:	SUDI-110	US1	
Total Number of	of Assignment Pages	2	* Witness signature recomi	mended, mandatory for some countries
			**Assignee signature recomm	mended, mandatory for some countries

COMBINED D	ECLARATION/ASSIGNMENT - Patent Application	Docket Number: SUDI-110US1			
Whereas, the Assig	nor, comprising the following named inventors:				
40010N0D/ \/	1. Normen Szesni	2. Alfred Hagemeyer			
ASSIGNOR(s)/ INVENTOR(s)	3. Frank Grossmann	4. Richard Fischer			
	5. Michael Urbancic	6. Claus Lugmair			
	7. Mingyong Sun	8. Hongyi C. Hou			
	9. David Michael Lowe	10. Jennifer Boyer			
made an invention o	entitled: CATALYST COMPOSITION FOR S CHARACTERISTICS	ELECTIVE HYDROGENATION WITH IMPROVED			
for which an application for Letters Patent of the United States (the Application): (Select one of the following):					
is submitted concurrently herewith was filed in the U.S. Patent and Trademark Office on November 25, 2019, as U.S. Patent Application Serial No.: 16/694,149					
ASSIGNEE (Full Name and Address) Clariant International Ltd Rothausstrasse 61. Muttenz Basel-Landschaft Switzerland 4132					

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including the Application, all divisions, continuations, and continuations-in-part thereof and non-provisional applications claiming priority thereto, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto and authorizes Assignee to file such applications for Letters Patent in the United States and any and all other countries.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. Assignor also agrees that it will not engage, participate, or take part in any action conflicting with this Assignment, including but not limited to challenging the validity or patentability or enforceability of any patent rights relating to this invention or assisting others with such a challenge.

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If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

REEL: 052063 FRAME: 0765

Docket Number: SUDI-110US1

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or 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,

		Typed or Printed Name	Signature	Date
	1.	Normen Szesni		
			Normen Szesni	
	ļ		* Witness	
	2.	Alfred Hagemeyer		
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	and ones horse	MATTIVATI BATTAAN MATTITUM ON BATTA MATTIMIN MATTIMIN AND AND AND AND AND AND AND AND AND AN	* Witness	
	3.	Frank Grossmann		1
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	4.	Richard Fischer		
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	5.	Michael Urbancic	Michael Vilonier	7J6mmy 2020
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	6.	Claus Lugmair	Claus Lugmair	
			* Witness	

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	8.	Hongyi C. Hou				
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	9.	David Michael Lo	owe			
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	10.	Jennifer Boyer				
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**Assignee						
Signature						
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Application for U	nited S	States Letters Paten	ıt:			
Serial No.:		.1	16/681,196			
Filed:		1	November 1	<u>2, 2019</u>		
Attorney Docket	Numb	er: <u>§</u>	SUDI-110US	<u>2</u>		

Total Number of Assignment Pages 2

* Witness signature recommended, mandatory for some countries

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	2.	Alfred Hagemeyer	61C	
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	3.	Frank Grossmann		
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	4.	Richard Fischer		,
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	5.	Michael Urbancic		
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	6.	Claus Lugmair	10. te	12/10/2019
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	7.	Mingyong Sun			
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**Assignee					
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Application for Un	iitea S	tates Letters Pat		_	
Serial No.:			16/681,19		
Filed:			November	12, 2019	
Attorney Docket N	lumbe	ər:	SUDI-110	US2	
Total Number of	Assi	gnment Pages	2	* Witness signature recomm	nended, mandatory for some countries

**Assignee signature recommended, mandatory for some countries

COMBINED D	ECLARATION/ASSIGNMENT - Patent Application	Docket Number: SUDI-110US1			
Whereas, the Assig	nor, comprising the following named inventors:				
	1. Normen Szesni	2. Alfred Hagemeyer			
ASSIGNOR(s)/ INVENTOR(s)	3. Frank Grossmann	4. Richard Fischer			
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	7. Mingyong Sun	8. Hongyi C. Hou			
	9. David Michael Lowe	10. Jennifer Boyer			
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Docket Number: SUDI-110US1

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		Typed or Printed Name	Signature		Date
	1.	Normen Szesni			
			Normen Szesni	· · · · · · · · · · · · · · · · · · ·	production and a second
			* Witness		
	2.	Alfred Hagemeyer			
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,	3.	Frank Grossmann			
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	4.	Richard Fischer			
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	5.	Michael Urbancic			
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	6.	Claus Lugmair			
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			* Witness		· · · · · · · · · · · · · · · · · · ·

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	7.	Mingyong Sun	/.	Wingyong Lan	In 07, 2020
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	8.	Hongyi C. Hou			
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	9.	David Michael L	owe	David Michael Lowe	<u> </u>
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**Assignee					
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Application for U	Jnited 9	States Letters Pate	nt:		
Serial No.:			16/694,14	<u>9</u>	
Filed:			November	<u>r 25, 2019</u>	
Attorney Docke	t Numb	er:	SUDI-110	<u>US1</u>	
Total Number of Assignment Pages 2 * Witness signature recommended, mandatory for some cour				I, mandatory for some countries	

**Assignee signature recommended, mandatory for some countries

COMBINED		TION/ASSIGNMENT - Patent oplication	Docket	Number: SUDI-110US1	
Whereas, the Ass	gnor, comp	rising the following named inventors:			
	1. Nor	men Szesni	2.	Alfred Hagemeyer	
ASSIGNOR(s)/ INVENTOR(s)	3. Fra	nk Grossmann	4.	Richard Fischer	
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		Typed or Printed Name	Signature	Date
	1.	Normen Szesni		
			Normen Szesni	
			* Witness	
	2.	Alfred Hagemeyer		
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,	3.	Frank Grossmann		;
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	4.	Richard Fischer		
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Page 2 of 3 Modified 4/16/2018

		Typed or Printe	d Name	Signature	Date
	7.	Mingyong Sun			
	, ·	mingyong our		Mingyong Sun	
				* Witness	
,				William Control	15 16 16
	8.	Hongyi C. Hou		Hongyi C. Hou	12-10-19
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	10.	Jennifer Boyer			The second secon
				Jennifer Boyer	
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**Assignee					
Signature					**************************************
Application for U	nited S	States Letters Pat	ent:		
Serial No.:			16/694,14	<u>19</u>	
Filed:		Novembe	<u>r 25, 2019</u>		
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Docket Number: SUDI-110US1

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or 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.

		Typed or Printed Name	Signature		Date
	1.	Normen Szesni			
			Normen Szesni	-	
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	2.	Alfred Hagemeyer			
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,	3.	Frank Grossmann		·	
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	4.	Richard Fischer		<u>-</u>	
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	5.	Michael Urbancic		_	
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		t and the time to the dead (Deader) and another time and the time to the time time time to the time time to the time time to	* Witness		
	6.	Claus Lugmair		_	
			Claus Lugmair		
			* Witness	-	

		Typed or Printe	d Name	Signature	Date
	7.	Mingyong Sun		Mingyong Sun	
				* Witness	
	8.	Hongyi C. Hou		Hongyi C. Hou	12-10-19
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	9.	David Michael	Lowe	David Michael Lowe	12-10-19
			f and happy and an extraord name and a going the orbits.	* Witness	
	10.	Jennifer Boyer		Jennifer Boyer	
				* Witness	
**Assignee					
Typed or printed	name	<u> </u>			
Date					
Application for U	nited S	States Letters Pat	ent:		
Serial No.:			16/694,14	9	
Filed:			Novembe	r 25, 2019	
Attorney Docket	Numb	er:	SUDI-110	<u>US1</u>	
Total Number	of Ass	ignment Pages	2	* Witness signature recommend	ded, mandatory for some countries

* Witness signature recommended, mandatory for some countries

**Assignee signature recommended, mandatory for some countries

COMBINED D	ECLARATION/ASSIGNMENT - Patent Application	Docket Number: SUDI-110US1			
Whereas, the Assig	nor, comprising the following named inventors:				
100000000000000000000000000000000000000	1. Normen Szesni	2. Alfred Hagemeyer			
ASSIGNOR(s)/ INVENTOR(s)	3. Frank Grossmann	4. Richard Fischer			
	5. Michael Urbancic	6. Claus Lugmair			
	7. Mingyong Sun	8. Hongyi C. Hou			
	9. David Michael Lowe	10. Jennifer Boyer			
made an invention e	entitled: CATALYST COMPOSITION FOR SI CHARACTERISTICS	ELECTIVE HYDROGENATION WITH IMPROVED			
for which an application for Letters Patent of the United States (the Application): (Select one of the following):					
is submitted concurrently herewith was filed in the U.S. Patent and Trademark Office on November 25, 2019, as U.S. Patent Application Serial No.: 16/694,149					
ASSIGNEE (Full Name and Address) Clariant International Ltd Rothausstrasse 61. Muttenz Basel-Landschaft Switzerland 4132					

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including the Application, all divisions, continuations, and continuations-in-part thereof and non-provisional applications claiming priority thereto, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto and authorizes Assignee to file such applications for Letters Patent in the United States and any and all other countries.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. Assignor also agrees that it will not engage, participate, or take part in any action conflicting with this Assignment, including but not limited to challenging the validity or patentability or enforceability of any patent rights relating to this invention or assisting others with such a challenge.

If any provision in this Assignment is held invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

Assignor authorizes Assignee's attorney to insert the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

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As a below named inventor, I declare that the Application was made or authorized to be made by me.

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	2.	Alfred Hagemeyer			
			Alfred Hagemeyer		
			* Witness	De juri sque fet fériulet sul januaring se en en Ellerpret per dyang M	
	3.	Frank Grossmann			
			Frank Grossmann		
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	4.	Richard Fischer			
			Richard Fischer		
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	5.	Michael Urbancic	***		
			Michael Urbancic		
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	6.	Claus Lugmair		_	
			Claus Lugmair		
			* Witness		

	7.	Mingyong Sur)		
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	8.	Hongyi C. Hou	I		
SIGNATURE				Hongyi C. Hou	
,				* Witness	
	9.	David Michael	Lowe		:
				David Michael Lowe	
	 .	***************************************		* Witness	
	10.	Jennifer Boyer		Quifor Bogar	1/7/2020
				Jehnifer Boyer / Schmoon	1/7/2020
:				* Witness	
**Assignee					
Typed or printed in Title					- The second sec
Date					
Application for Un	ited S	tates Letters Pat	ent:		
Serial No.:			16/694,14	9	
Filed:			November	r <u>25, 2019</u>	
Attorney Docket N	lumbe	or:	SUDI-110	<u>US1</u>	
Total Number of	Assi	gnment Pages	2	* Witness signature recommended, mar **Assignee signature recommended, mar	
				n Assignee signature recommended, mar	idatory for some countries

Signature

Date

Typed or Printed Name