

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5990962

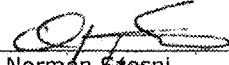
<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NORMEN SZESNI	12/09/2019
ALFRED HAGEMEYER	12/03/2019
FRANK GROSSMAN	12/04/2019
RICHARD FISCHER	12/13/2019
MICHAEL URBANCIC	01/07/2020
CLAUS LUGMAIR	12/10/2019
MINGYONG SUN	01/07/2020
HONGYI C. HOU	12/10/2019
DAVID MICHAEL LOWE	12/10/2019
JENNIFER BOYER	01/07/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CLARIANT INTERNATIONAL LTD.
<b>Street Address:</b>	ROTHAUSSTRASSE 61. MUTTENZ
<b>City:</b>	BASEL-LANDSCHAFT
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	4132
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16681196
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(610)407-0701
<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>	
<b>Phone:</b>	6104070700
<b>Email:</b>	nmay@ratnerprestia.com
<b>Correspondent Name:</b>	RATNERPRESTIA
<b>Address Line 1:</b>	2200 RENAISSANCE BLVD
<b>Address Line 2:</b>	SUITE 350
<b>Address Line 4:</b>	KING OF PRUSSIA, PENNSYLVANIA 19406
<b>ATTORNEY DOCKET NUMBER:</b>	SUDI-110US2

PATENT

<b>NAME OF SUBMITTER:</b>	GLENN E. J. MURPHY
<b>SIGNATURE:</b>	/Glenn E. J. Murphy, Reg. No. 33,539/
<b>DATE SIGNED:</b>	03/02/2020
<p><b>Total Attachments: 30</b></p> <p>source=Assignment#page1.tif  source=Assignment#page2.tif  source=Assignment#page3.tif  source=Assignment#page4.tif  source=Assignment#page5.tif  source=Assignment#page6.tif  source=Assignment#page7.tif  source=Assignment#page8.tif  source=Assignment#page9.tif  source=Assignment#page10.tif  source=Assignment#page11.tif  source=Assignment#page12.tif  source=Assignment#page13.tif  source=Assignment#page14.tif  source=Assignment#page15.tif  source=Assignment#page16.tif  source=Assignment#page17.tif  source=Assignment#page18.tif  source=Assignment#page19.tif  source=Assignment#page20.tif  source=Assignment#page21.tif  source=Assignment#page22.tif  source=Assignment#page23.tif  source=Assignment#page24.tif  source=Assignment#page25.tif  source=Assignment#page26.tif  source=Assignment#page27.tif  source=Assignment#page28.tif  source=Assignment#page29.tif  source=Assignment#page30.tif</p>	

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Normen Szesni</b>	2. <b>Alfred Hagemeyer</b>
	3. <b>Frank Grossmann</b>	4. <b>Richard Fischer</b>
	5. <b>Michael Urbancic</b>	6. <b>Claus Lugmair</b>
	7. <b>Mingyong Sun</b>	8. <b>Hongyi C. Hou</b>
	9. <b>David Michael Lowe</b>	10. <b>Jennifer Boyer</b>
made an invention entitled: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following):		
<input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>	Docket Number: <b>SUDI-110US2</b>
<p><b><u>Declaration:</u></b></p> <p>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."</p> <p>As a below named inventor, I declare that the Application was made or authorized to be made by me.</p> <p>I believe I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p>	

	Typed or Printed Name	Signature	Date
SIGNATURE	1. <b>Normen Szesni</b>	 Normen Szesni * Witness	08.12.2019
	2. <b>Alfred Hagemeyer</b>	Alfred Hagemeyer * Witness	
	3. <b>Frank Grossmann</b>	Frank Grossmann * Witness	
	4. <b>Richard Fischer</b>	Richard Fischer * Witness	
	5. <b>Michael Urbancic</b>	Michael Urbancic * Witness	
	6. <b>Claus Lugmair</b>	Claus Lugmair * Witness	

	Typed or Printed Name	Signature	Date
SIGNATURE	7. <b>Mingyong Sun</b>	_____	_____
		Mingyong Sun	_____
		* Witness	_____
	8. <b>Hongyi C. Hou</b>	_____	_____
		Hongyi C. Hou	_____
		* Witness	_____
	9. <b>David Michael Lowe</b>	_____	_____
		David Michael Lowe	_____
		* Witness	_____
	10. <b>Jennifer Boyer</b>	_____	_____
		Jennifer Boyer	_____
		* Witness	_____

<b>**Assignee</b> Signature _____ Typed or printed name _____ Title _____ Date _____
--

Application for United States Letters Patent:	
Serial No.:	<u>16/694,149</u>
Filed:	<u>November 25, 2019</u>
Attorney Docket Number:	<u>SUDI-110US1</u>
Total Number of Assignment Pages <b>2</b>	* Witness signature recommended, mandatory for some countries **Assignee signature recommended, mandatory for some countries

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Normen Szesni</b>	2. <b>Alfred Hagemeyer</b>
	3. <b>Frank Grossmann</b>	4. <b>Richard Fischer</b>
	5. <b>Michael Urbancic</b>	6. <b>Claus Lugmair</b>
	7. <b>Mingyong Sun</b>	8. <b>Hongyi C. Hou</b>
	9. <b>David Michael Lowe</b>	10. <b>Jennifer Boyer</b>
made an invention entitled: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following): <input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61, Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

**COMBINED DECLARATION/ASSIGNMENT - Patent Application**Docket Number: **SUDI-110US2****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
SIGNATURE	1. Normen Szesni	Normen Szesni	
		* Witness	
	2. Alfred Hagemeyer	Alfred Hagemeyer	12/03/19
		Alfred Hagemeyer	12/03/19
		* Witness	
	3. Frank Grossmann	Frank Grossmann	
		* Witness	
	4. Richard Fischer	Richard Fischer	
		* Witness	
	5. Michael Urbancic	Michael Urbancic	
		* Witness	
	6. Claus Lugmair	Claus Lugmair	
	* Witness		

	Typed or Printed Name	Signature	Date
SIGNATURE	7. <b>Mingyong Sun</b>	_____	_____
		Mingyong Sun	
		_____	_____
		* Witness	
	8. <b>Hongyi C. Hou</b>	_____	_____
		Hongyi C. Hou	
		_____	_____
		* Witness	
	9. <b>David Michael Lowe</b>	_____	_____
		David Michael Lowe	
		_____	_____
		* Witness	
10. <b>Jennifer Boyer</b>	_____	_____	
	Jennifer Boyer		
	_____	_____	
	* Witness		

<b>**Assignee</b> Signature _____ Typed or printed name _____ Title _____ Date _____
--

Application for United States Letters Patent:

Serial No.: 16/681,196  
 Filed: November 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

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Normen Szesni</b>	2. <b>Alfred Hagemeyer</b>
	3. <b>Frank Grossmann</b>	4. <b>Richard Fischer</b>
	5. <b>Michael Urbancic</b>	6. <b>Claus Lugmair</b>
	7. <b>Mingyong Sun</b>	8. <b>Hongyi C. Hou</b>
	9. <b>David Michael Lowe</b>	10. <b>Jennifer Boyer</b>
made an invention entitled: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following):		
<input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

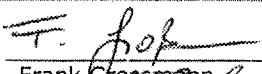
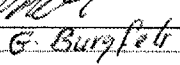
**COMBINED DECLARATION/ASSIGNMENT - Patent  
Application**Docket Number: **SUDI-110US2****Declaration:**

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
SIGNATURE	1. <b>Normen Szesni</b>	<u>Normen Szesni</u>	
		<u>* Witness</u>	
	2. <b>Alfred Hagemeyer</b>	<u>Alfred Hagemeyer</u>	
		<u>* Witness</u>	
	3. <b>Frank Grossmann</b>	<u></u>	<u>4.12.2019</u>
		<u>Frank Grossmann</u>	<u>4.12.2019</u>
		<u>* Witness </u>	
	4. <b>Richard Fischer</b>	<u>Richard Fischer</u>	
		<u>* Witness</u>	
	5. <b>Michael Urbancic</b>	<u>Michael Urbancic</u>	
		<u>* Witness</u>	
	6. <b>Claus Lugmair</b>	<u>Claus Lugmair</u>	
	<u>* Witness</u>		

	Typed or Printed Name	Signature	Date
SIGNATURE	7. <b>Mingyong Sun</b>	_____	_____
		Mingyong Sun	_____
		* Witness	_____
	8. <b>Hongyi C. Hou</b>	_____	_____
		Hongyi C. Hou	_____
		* Witness	_____
	9. <b>David Michael Lowe</b>	_____	_____
		David Michael Lowe	_____
	* Witness	_____	
10. <b>Jennifer Boyer</b>	_____	_____	
	Jennifer Boyer	_____	
	* Witness	_____	

\*\*Assignee

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Application for United States Letters Patent:

Serial No.: 16/681,196

Filed: November 12, 2019

Attorney Docket Number: SUDI-110US2

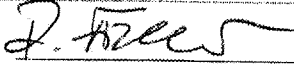
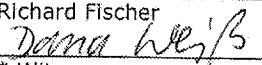
Total Number of Assignment Pages 2

\* Witness signature recommended, mandatory for some countries

\*\*Assignee signature recommended, mandatory for some countries

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Normen Szesni</b>	2. <b>Alfred Hagemeyer</b>
	3. <b>Frank Grossmann</b>	4. <b>Richard Fischer</b>
	5. <b>Michael Urbancic</b>	6. <b>Claus Lugmair</b>
	7. <b>Mingyong Sun</b>	8. <b>Hongyi C. Hou</b>
	9. <b>David Michael Lowe</b>	10. <b>Jennifer Boyer</b>
made an invention entitled: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): <i>(Select one of the following):</i> <input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. MuttENZ</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>	Docket Number: <b>SUDI-110US2</b>
<p><b><u>Declaration:</u></b></p> <p>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."</p> <p>As a below named inventor, I declare that the Application was made or authorized to be made by me.</p> <p>I believe I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p>	

	Typed or Printed Name	Signature	Date
SIGNATURE	1. <b>Normen Szesni</b>	_____ Normen Szesni	_____
		_____ * Witness	_____
	2. <b>Alfred Hagemeyer</b>	_____ Alfred Hagemeyer	_____
		_____ * Witness	_____
	3. <b>Frank Grossmann</b>	_____ Frank Grossmann	_____
		_____ * Witness	_____
	4. <b>Richard Fischer</b>	 Richard Fischer	<u>13. 12. 2019</u>
		 * Witness	<u>13. 12. 2019</u>
	5. <b>Michael Urbancic</b>	_____ Michael Urbancic	_____
		_____ * Witness	_____
	6. <b>Claus Lugmair</b>	_____ Claus Lugmair	_____
		_____ * Witness	_____

	Typed or Printed Name	Signature	Date
SIGNATURE	7. <b>Mingyong Sun</b>	_____	_____
		Mingyong Sun	_____
		* Witness	_____
	8. <b>Hongyi C. Hou</b>	_____	_____
		Hongyi C. Hou	_____
		* Witness	_____
	9. <b>David Michael Lowe</b>	_____	_____
		David Michael Lowe	_____
	* Witness	_____	
10. <b>Jennifer Boyer</b>	_____	_____	
	Jennifer Boyer	_____	
	* Witness	_____	

**\*\*Assignee**

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Application for United States Letters Patent:

Serial No.: 16/681,196

Filed: November 12, 2019

Attorney Docket Number: SUDI-110US2

Total Number of Assignment Pages <b>2</b>	<p>* Witness signature recommended, mandatory for some countries</p> <p>**Assignee signature recommended, mandatory for some countries</p>
---	--

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. Normen Szesni	2. Alfred Hagemeyer
	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: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following): <input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

**COMBINED DECLARATION/ASSIGNMENT - Patent  
Application**Docket Number: **SUDI-110US2****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
SIGNATURE	1. Normen Szesni	_____ Normen Szesni	_____
		_____ * Witness	_____
	2. Alfred Hagemeyer	_____ Alfred Hagemeyer	_____
		_____ * Witness	_____
	3. Frank Grossmann	_____ Frank Grossmann	_____
		_____ * Witness	_____
	4. Richard Fischer	_____ Richard Fischer	_____
		_____ * Witness	_____
	5. Michael Urbancic	<i>Michael Urbancic</i> Michael Urbancic	<i>7 January 2020</i>
		<i>Michael Urbancic</i> * Witness	<i>7 January 2020</i>
	6. Claus Lugmair	_____ Claus Lugmair	_____
		_____ * Witness	_____

	Typed or Printed Name	Signature	Date
SIGNATURE	7. <b>Mingyong Sun</b>	_____	_____
		Mingyong Sun	_____
		* Witness	_____
	8. <b>Hongyi C. Hou</b>	_____	_____
		Hongyi C. Hou	_____
		* Witness	_____
	9. <b>David Michael Lowe</b>	_____	_____
		David Michael Lowe	_____
	* Witness	_____	
10. <b>Jennifer Boyer</b>	_____	_____	
	Jennifer Boyer	_____	
	* Witness	_____	

**\*\*Assignee**

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Application for United States Letters Patent:	
Serial No.:	<u>16/681,196</u>
Filed:	<u>November 12, 2019</u>
Attorney Docket Number:	<u>SUDI-110US2</u>
Total Number of Assignment Pages <b>2</b>	* Witness signature recommended, mandatory for some countries **Assignee signature recommended, mandatory for some countries

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. Normen Szesni	2. Alfred Hagemeyer
	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: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): <i>(Select one of the following):</i> <input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

**COMBINED DECLARATION/ASSIGNMENT - Patent  
Application**

Docket Number: **SUDI-110US2**

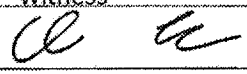
**Declaration:**

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
SIGNATURE	1. Normen Szesni	_____ Normen Szesni	_____
		_____ * Witness	_____
	2. Alfred Hagemeyer	_____ Alfred Hagemeyer	_____
		_____ * Witness	_____
	3. Frank Grossmann	_____ Frank Grossmann	_____
		_____ * Witness	_____
	4. Richard Fischer	_____ Richard Fischer	_____
		_____ * Witness	_____
	5. Michael Urbancic	_____ Michael Urbancic	_____
		_____ * Witness	_____
	6. Claus Lugmair	 Claus Lugmair	12/10/2019
		_____ * Witness	_____

	Typed or Printed Name	Signature	Date
SIGNATURE	7. <b>Mingyong Sun</b>	_____	_____
		Mingyong Sun	_____
		* Witness	_____
	8. <b>Hongyi C. Hou</b>	_____	_____
		Hongyi C. Hou	_____
		* Witness	_____
	9. <b>David Michael Lowe</b>	_____	_____
		David Michael Lowe	_____
	* Witness	_____	
10. <b>Jennifer Boyer</b>	_____	_____	
	Jennifer Boyer	_____	
	* Witness	_____	

**\*\*Assignee**

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Application for United States Letters Patent:

Serial No.: 16/681,196

Filed: November 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

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Normen Szesni</b>	2. <b>Alfred Hagemeyer</b>
	3. <b>Frank Grossmann</b>	4. <b>Richard Fischer</b>
	5. <b>Michael Urbancic</b>	6. <b>Claus Lugmair</b>
	7. <b>Mingyong Sun</b>	8. <b>Hongyi C. Hou</b>
	9. <b>David Michael Lowe</b>	10. <b>Jennifer Boyer</b>
made an invention entitled: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following):		
<input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

**COMBINED DECLARATION/ASSIGNMENT - Patent Application**Docket Number: **SUDI-110US2****Declaration:**


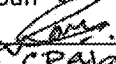
Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person 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
SIGNATURE	1. <b>Normen Szesni</b>	_____	_____
		Normen Szesni	_____
		* Witness	_____
	2. <b>Alfred Hagemeyer</b>	_____	_____
		Alfred Hagemeyer	_____
		* Witness	_____
	3. <b>Frank Grossmann</b>	_____	_____
		Frank Grossmann	_____
		* Witness	_____
	4. <b>Richard Fischer</b>	_____	_____
		Richard Fischer	_____
		* Witness	_____
5. <b>Michael Urbancic</b>	_____	_____	
	Michael Urbancic	_____	
	* Witness	_____	
6. <b>Claus Lugmair</b>	_____	_____	
	Claus Lugmair	_____	
	* Witness	_____	



	Typed or Printed Name	Signature	Date
SIGNATURE	7. Mingyong Sun	 Mingyong Sun	Jun. 07, 2020
		* Witness  (CPalanichamy Manikandan)	11/7/2020
	8. Hongyi C. Hou	Hongyi C. Hou	
		* Witness	
	9. David Michael Lowe	David Michael Lowe	
		* Witness	
	10. Jennifer Boyer	Jennifer Boyer	
		* Witness	

<b>**Assignee</b> Signature _____ Typed or printed name _____ Title _____ Date _____	
Application for United States Letters Patent: Serial No.: <u>16/681,196</u> Filed: <u>November 12, 2019</u> Attorney Docket Number: <u>SUDI-110US2</u>	
Total Number of Assignment Pages <u>2</u>	* Witness signature recommended, mandatory for some countries **Assignee signature recommended, mandatory for some countries

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Normen Szesni</b>	2. <b>Alfred Hagemeyer</b>
	3. <b>Frank Grossmann</b>	4. <b>Richard Fischer</b>
	5. <b>Michael Urbancic</b>	6. <b>Claus Lugmair</b>
	7. <b>Mingyong Sun</b>	8. <b>Hongyi C. Hou</b>
	9. <b>David Michael Lowe</b>	10. <b>Jennifer Boyer</b>
made an invention entitled: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): <i>(Select one of the following):</i> <input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>	Docket Number: <b><u>SUDI-110US2</u></b>
<p><b><u>Declaration:</u></b></p> <p>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."</p> <p>As a below named inventor, I declare that the Application was made or authorized to be made by me.</p> <p>I believe I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p>	

	Typed or Printed Name	Signature	Date
SIGNATURE	1. <b>Normen Szesni</b>	_____	_____
		Normen Szesni	_____
		* Witness	_____
	2. <b>Alfred Hagemeyer</b>	_____	_____
		Alfred Hagemeyer	_____
		* Witness	_____
	3. <b>Frank Grossmann</b>	_____	_____
		Frank Grossmann	_____
		* Witness	_____
	4. <b>Richard Fischer</b>	_____	_____
		Richard Fischer	_____
		* Witness	_____
5. <b>Michael Urbancic</b>	_____	_____	
	Michael Urbancic	_____	
	* Witness	_____	
6. <b>Claus Lugmair</b>	_____	_____	
	Claus Lugmair	_____	
	* Witness	_____	

	Typed or Printed Name	Signature	Date
SIGNATURE	7. Mingyong Sun	Mingyong Sun	
		* Witness	
	8. Hongyi C. Hou	 Hongyi C. Hou	12-10-19
		* Witness	
	9. David Michael Lowe	 David Michael Lowe	12-10-19
		* Witness	
	10. Jennifer Boyer	Jennifer Boyer	
		* Witness	

<b>**Assignee</b> Signature _____ Typed or printed name _____ Title _____ Date _____
--

Application for United States Letters Patent:	
Serial No.:	<u>16/681,196</u>
Filed:	<u>November 12, 2019</u>
Attorney Docket Number:	<u>SUDI-110US2</u>
Total Number of Assignment Pages <u>2</u>	* Witness signature recommended, mandatory for some countries **Assignee signature recommended, mandatory for some countries

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <u>SUDI-110US2</u>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. Normen Szesni	2. Alfred Hagemeyer
	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: <u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following): <input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. Muttenz</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>	Docket Number: <b><u>SUDI-110US2</u></b>
<p><b><u>Declaration:</u></b></p> <p>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."</p> <p>As a below named inventor, I declare that the Application was made or authorized to be made by me.</p> <p>I believe I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p>	

	Typed or Printed Name	Signature	Date
SIGNATURE	1. <b>Normen Szesni</b>	_____	_____
		Normen Szesni	
		_____	_____
		* Witness	
	2. <b>Alfred Hagemeyer</b>	_____	_____
		Alfred Hagemeyer	
		_____	_____
		* Witness	
	3. <b>Frank Grossmann</b>	_____	_____
		Frank Grossmann	
		_____	_____
		* Witness	
4. <b>Richard Fischer</b>	_____	_____	
	Richard Fischer		
	_____	_____	
	* Witness		
5. <b>Michael Urbancic</b>	_____	_____	
	Michael Urbancic		
	_____	_____	
	* Witness		
6. <b>Claus Lugmair</b>	_____	_____	
	Claus Lugmair		
	_____	_____	
	* Witness		

	Typed or Printed Name	Signature	Date
SIGNATURE	7. Mingyong Sun	_____ Mingyong Sun	_____
		* Witness	_____
	8. Hongyi C. Hou	_____ Hongyi C. Hou	12-10-19
		* Witness	_____
	9. David Michael Lowe	_____ David Michael Lowe	12-10-19
		* Witness	_____
	10. Jennifer Boyer	_____ Jennifer Boyer	_____
		* Witness	_____

\*\*Assignee

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Application for United States Letters Patent:

Serial No.: 16/681,196

Filed: November 12, 2019

Attorney Docket Number: SUDI-110US2

Total Number of Assignment Pages <u>2</u>	* Witness signature recommended, mandatory for some countries **Assignee signature recommended, mandatory for some countries
---	---

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <b><u>SUDI-110US2</u></b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Normen Szesni</b>	2. <b>Alfred Hagemeyer</b>
	3. <b>Frank Grossmann</b>	4. <b>Richard Fischer</b>
	5. <b>Michael Urbancic</b>	6. <b>Claus Lugmair</b>
	7. <b>Mingyong Sun</b>	8. <b>Hongyi C. Hou</b>
	9. <b>David Michael Lowe</b>	10. <b>Jennifer Boyer</b>
made an invention entitled: <b><u>CATALYST COMPOSITION FOR SELECTIVE HYDROGENATION WITH IMPROVED CHARACTERISTICS</u></b>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following): <input type="checkbox"/> is submitted concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>November 12, 2019</u> , as U.S. Patent Application Serial No.: <u>16/681,196</u>		
ASSIGNEE (Full Name and Address)	<b>Clariant International Ltd</b> <b>Rothausstrasse 61. MuttENZ</b> <b>Basel-Landschaft Switzerland 4132</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

**COMBINED DECLARATION/ASSIGNMENT - Patent Application**Docket Number: **SUDI-110US2****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
SIGNATURE	1. Normen Szesni	_____	_____
		Normen Szesni	
		_____	_____
		* Witness	
	2. Alfred Hagemeyer	_____	_____
		Alfred Hagemeyer	
		_____	_____
		* Witness	
	3. Frank Grossmann	_____	_____
		Frank Grossmann	
		_____	_____
		* Witness	
4. Richard Fischer	_____	_____	
	Richard Fischer		
	_____	_____	
	* Witness		
5. Michael Urbancic	_____	_____	
	Michael Urbancic		
	_____	_____	
	* Witness		
6. Claus Lugmair	_____	_____	
	Claus Lugmair		
	_____	_____	
	* Witness		

	Typed or Printed Name	Signature	Date
SIGNATURE	7. Mingyong Sun	_____ Mingyong Sun	_____
		_____ * Witness	_____
	8. Hongyi C. Hou	_____ Hongyi C. Hou	_____
		_____ * Witness	_____
	9. David Michael Lowe	_____ David Michael Lowe	_____
		_____ * Witness	_____
	10. Jennifer Boyer	_____ Jennifer Boyer	1/7/2020
		_____ * Witness	1/7/2020

**Assignee	
Signature	_____
Typed or printed name	_____
Title	_____
Date	_____

Application for United States Letters Patent:	
Serial No.:	<u>16/681,196</u>
Filed:	<u>November 12, 2019</u>
Attorney Docket Number:	<u>SUDI-110US2</u>
Total Number of Assignment Pages <u>2</u>	* Witness signature recommended, mandatory for some countries ** Assignee signature recommended, mandatory for some countries