### 504101095 11/17/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4147764

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NICOLAS VAULTRAVERS	10/06/2015
JOAQUIM HENRIQUE TELES	10/06/2015
ALBRECHT BERKESSEL	06/02/2015
MATHIAS PAUL	06/02/2015
VEERA REDDY YATHAM	06/02/2015

#### **RECEIVING PARTY DATA**

Name:	BASF SE
Street Address:	/////
City:	LUDWIGSHAFEN
State/Country:	GERMANY
Postal Code:	67056

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15312033

#### **CORRESPONDENCE DATA**

**Fax Number:** (302)467-4201

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 302-467-4200

**Email:** shirley.brooks@dbr.com

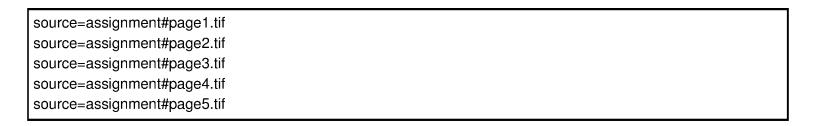
Correspondent Name: DRINKER BIDDLE & REATH LLP (WM)
Address Line 1: 222 DELAWARE AVENUE, STE. 1410
Address Line 4: WILMINGTON, DELAWARE 19801-1621

ATTORNEY DOCKET NUMBER:	074012-0359(549043)
NAME OF SUBMITTER:	GEOFFREY ZELLEY
SIGNATURE:	/Geoffrey Zelley/
DATE SIGNED:	11/17/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

**Total Attachments: 5** 

PATENT REEL: 040360 FRAME: 0742

504101095



PATENT REEL: 040360 FRAME: 0743

Title of Invention	Process for	the Dimerization of	Activated Olefins
As the below r	amed inventor, I here	by declare that:	
This declaration	n [] The attached	application, or	
is directed to:	【】 United States filed on Ma	application or PCT internationa y 19, 2015	application number PCT/EP2015/060985
The above-ide	ntified application was	made or authorized to be made	by me.
I believe that I	am the original invent	or or an original joint inventor of	a claimed invention in the application.
(hereinafter re	eferred to as "ASSIGN acquiring the entire ri	ght, title and interest in and to s	hafen, Germany, aid invention and in and to any Letters Patent orial possessions and in any and all foreign
acknowledged the said invent to claim priori Arrangements Patent which r	, I, by these presents tion in the United State ty under the terms of from the aforesaid a may be granted theref	do assign and transfer unto sai es and its territorial possessions f the International Convention oplication) and the entire right, or in the United States and its te	e receipt and sufficiency of which is hereby d ASSIGNEE(S), the full and exclusive right to and in all foreign countries (including the right and other relevant International Treaties and title and interest in and to any and all Letters erritorial possessions and in any and all foreign, substitutions and renewals thereof.
any and all for the assignee ASSIGNEE(S)	reign countries to issue of my entire right, to its (his) successors	e any and all of said Letters Pa tle and interest in and to the and assigns, to the full end of t	Inited States and its territorial possessions and atent, when granted, to said ASSIGNEE(S) as same, for the sole use and behoof of said the term for which said Letters Patent may be by me had this Assignment and sale not been
respecting sail continuation, s and all of sail everything pos	d invention, and tes ubstitute, renewal and d Letters Patent to b sible to ald said AS	ify in any legal proceeding, so direissue applications, execute a e issued to said ASSIGNEE(S SIGNEE(S), its (his) successor	its (his) representatives any facts known to me sign all lawful papers, execute all divisional, all necessary assignment papers to cause any 3), make all rightful oaths, and, generally do s and assigns, to obtain and enforce proper assessions and in any and all foreign countries.
		villful false statement made in t more than five (5) years, or both	his declaration is punishable under 18 U.S.C.
LEGAL NAME	OF INVENTOR		
Inventor: Nic	colas Vautravers		Date: 10/6/2015
Signature:	N. Was	YAVTRAYERS	

PATENT:,2 REEL: 040360 FRAME: 0744

Title of Invention	Process for the Dimerization of Activated Olefins
As the below na	amed inventor, I hereby declare that:
This declaration	n [] The attached application, or
is directed to:	[ ¥ United States application or PCT international application number PCT/EP2015/060985 filed on May 19, 2015
The above-ider	ntified application was made or authorized to be made by me.
I believe that I a	am the original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter ref	ASF SE having places of business at: 67056 Ludwigshafen, Germany, ferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent ranted therefore in the United States and its territorial possessions and in any and all foreign
acknowledged, the said inventi- to claim priority Arrangements the Patent which m	REFORE, for good and valuable consideration the receipt and sufficiency of which is hereby I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to on in the United States and its territorial possessions and in all foreign countries (including the right y under the terms of the International Convention and other relevant International Treaties and from the aforesaid application) and the entire right, title and interest in and to any and all Letters say be granted therefor in the United States and its territorial possessions and in any and all foreign and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
any and all fore the assignee of ASSIGNEE(S),	horize and request the Patent Office Officials in the United States and its territorial possessions and eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as of my entire right, title and interest in and to the same, for the sole use and behoof of said its (his) successors and assigns, to the full end of the term for which said Letters Patent may be y and entirely as the same would have been held by me had this Assignment and sale not been
respecting said continuation, su and all of said everything poss	ree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me I invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, abstitute, renewal and reissue applications, execute all necessary assignment papers to cause any Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do sible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper aid invention in the United States and its territorial possessions and in any and all foreign countries.
	knowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. imprisonment of not more than five (5) years, or both.
LEGAL NAME (	OF INVENTOR
Inventor: Joa	quim Henrique Teles  Date: 10.06-2015
Signature:	agin lengates

PASTENT<sub>012</sub> REEL: 040360 FRAME: 0745

Intention   Process for the Dimerization of Activated Olefins   As the below named inventor, I hereby declare that This declaration   The attached application, or is directed to:     United States application or PCT international application number   PCT/EP2015/060985   filed on May 19, 2015   The above-identified application was made or authorized to be made by me.   I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, BASE SE having places of business at 67056 Ludwigshafen. Germany, (hereinafter referred to as "ASSIGNEE(S)")   Is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries.  NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged. I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.  I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all divisions, reissues, continuations, substitutions and renewals thereof.  I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all official possessions and any and all foreign countries to issue any and all officials in the United States and its territorial possessions and in any and all officials and possessions and in any and all official possessions and in any a	
This declaration [] The attached application, or is directed to: [4] United States application or PCT international application number PCT/EP2015/060985 filled on May 19, 2015  The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  WHEREAS, BASF SE having places of business at 67056 Ludwigshafen, Germany, (hereinafter referred to as "ASSIGNEE(S)")  is desirous of acquiring the entire right, site and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries.  NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in Greign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all foreign countries and in any and all divisions, reissues, continuations, substitutions and renewals thereof.  I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and saie not been made.  Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisiona	!
is directed to:  [13] United States application or PCT international application number PCT/EP2015/060985 filled on May 19, 2015  The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  WHEREAS, BASF SE having places of business at 67056 Ludwigshafen, Germany, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries:  NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.  I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.  Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said inv	As the below named inventor, I hereby declare that:
The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  WHEREAS, BASF SE having places of business at 67056 Ludwigshafen, Germany, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries.  NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.  I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all iforeign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behord of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.  Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessar	This declaration [ ] The attached application, or
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any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.  Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.  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.  LEGAL NAME OF INVENTOR  Inventor: Albrecht Berkessel	acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign
respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.  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.  LEGAL NAME OF INVENTOR  Inventor: Albrecht Berkessel  Date: 7015	any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been
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Inventor: Albrecht Berkessel    Vou = OC     Date: 7015	
	Inventor: Albrecht Berkessel

PATENT::2
REEL: 040360 FRAME: 0746

Title of Invention	Process for the Dimerization of Activated Olefins	
As the below n	named inventor, I hereby declare that:	
This declaratio	on [ ] The attached application, or	
is directed to:	[ $_{\rm X}$ ] United States application or PCT international application number PCT/EP2015/066 filed on May 19, 2015	0985
The above-ide	entified application was made or authorized to be made by me.	
I believe that I	I am the original inventor or an original joint inventor of a claimed invention in the application.	
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	cknowledge that any willful false statement made in this declaration is punishable under 18 or imprisonment of not more than five (5) years, or both.	U.S.C.
LEGAL NAME	OF INVENTOR	
Inventor: Ma	athias Paul これを Date: <u>7のイ</u>	<u>0</u> 2,
Signature:	Hallias Paul	

Invention	Process for the Dimerization of Activated Olefins	
As the below n	amed inventor, I hereby declare that:	
This declaration	n [] The attached application, or	
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The above-ider	ntified application was made or authorized to be made by me.	
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	knowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. imprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR		
Inventor: Ve	era Reddy Yatham Date: <u>۵۷ آنامو کو</u> اړ	
Signature:	Veers feldr yathan	

PAJENT: 2 REEL: 040360 FRAME: 0748

US Declaration - national - 250346

**RECORDED: 11/17/2016**