### 503157334 01/29/2015

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3203948

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
FLORIAN HERMES	05/27/2014
DOMINIK STURM	05/28/2014
CHRISTIAN GOLDITZ	05/27/2014
MICHAEL WICKE	05/28/2014
HERBERT JUNG	05/27/2014
JUERGEN HARTMANN	06/05/2014
BRUNO KELLER	05/27/2014

### **RECEIVING PARTY DATA**

Name:	EVONIK INDUSTRIES AG
Street Address:	RELLINGHAUSER STRASSE 1-11
City:	ESSEN
State/Country:	GERMANY
Postal Code:	45128

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

Property Type	Number
Application Number:	14418288

### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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:** (703) 413-3000

Email: Tgessesse@oblon.com

Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	447658US99PCT
NAME OF SUBMITTER:	TIRHAS GESSESSE
SIGNATURE:	/Tirhas Gessesse/
DATE SIGNED:	01/29/2015

PATENT 503157334 REEL: 034844 FRAME: 0745

# Total Attachments: 7 source=447658USAssignment#page1.tif source=447658USAssignment#page2.tif source=447658USAssignment#page3.tif source=447658USAssignment#page4.tif source=447658USAssignment#page5.tif source=447658USAssignment#page6.tif source=447658USAssignment#page7.tif

Invention	AQUEOUS BINDERS FOR HEAT-SEALING APPLICATIONS			
As the below name	ed inventor, I hereby declare that:			
This declaration [	This declaration   The attached application, or			
is directed to:	United States application or PCT international application number PCT/EP2013/068471 filed on September 06, 2013			
The above-identific	ed 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.			
Germany, is desired	EVONIK INDUSTRIES AG  ed to as "ASSIGNEE") having places of business at: Rellinghauser Straße 1-11, 45128 Essen, ous of acquiring the entire right, title and interest in and to said invention and in and to any at may be granted therefore in the United States and its territorial possessions and in any and all			
acknowledged, and said ASSIGNEE, t and in all foreign of other relevant Inte- interest in and to	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby d for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and ernational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial in any and all foreign countries and in and to any and all divisions, reissues, continuations, renewals thereof.			
any and all foreig assignee of my en (his) successors ar	rize and request the Patent Office Officials in the United States and its territorial possessions and an countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the tire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and ne would have been held by me had this Assignment and sale not been made.			
respecting said in continuation, substall of said Letters possible to aid said	e that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me evention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, nitute, renewal and reissue applications, execute all necessary assignment papers to cause any and as Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything id ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said nited States and its territorial possessions and in any and all foreign countries.			
	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nment of not more than five (5) years, or both.			
LEGAL NAME O	OF INVENTOR			
Inventor:Dr. F	Florian HERMES Date: 27.05.14			
Signature:	Mars			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Invention	AQUEOUS BINDERS FOR HEAT-SEA	ALING APPLICATION	S	
As the below name	d inventor, I hereby declare that:			
This declaration	The attached application, or			
is directed to:	United States application or PCT interr filed on September 06, 2013	national application num	nber PCT/EP201	3/068471
The above-identifie	ed application was made or authorized to	be made by me.		
I believe that I am t	he original inventor or an original joint in	nventor of a claimed inv	ention in the app	olication.
Germany, is desiro	EVONIK INDUS d to as "ASSIGNEE") having places us of acquiring the entire right, title and i may be granted therefore in the United	of business at: Relling nterest in and to said in	vention and in ar	nd to any
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of Fill for other good and valuable consideration full and exclusive right to the said involuntries (including the right to claim prior to the said involuntries and Treatics and Arrangements from any and all Letters Patent which may be any and all foreign countries and interewals thereof.	ion, I, by these presents rention in the United St pority under the terms of in the aforesaid applicate granted therefor in the	s do sell, assign a ates and its territ the International ion) and the enti e United States	and transfer unto torial possessions I Convention and ire right, title and and its territorial
any and all foreign assignee of my ent (his) successors an	ize and request the Patent Office Offician countries to issue any and all of said I ire right, title and interest in and to the s d assigns, to the full end of the term for a would have been held by me had this A	Letters Patent, when gr ame, for the sole use ar which said Letters Pa	anted, to said And behoof of said tent may be gran	SSIGNEE as the ASSIGNEE, its
respecting said in continuation, subst all of said Letters possible to aid said	that I will communicate to said ASSIG vention, and testify in any legal proc itute, renewal and reissue applications, e Patent to be issued to said ASSIGNEE d ASSIGNEE, its (his) successors and a lited States and its territorial possessions	eeding, sign all lawfu xecute all necessary as: E, make all rightful oan assigns, to obtain and e	I papers, execut signment papers ths, and, general enforce proper pr	te all divisional, to cause any and lly do everything
	vledge that any willful false statement ma ment of not more than five (5) years, or b		punishable unde	er 18 U.S.C. 1001
LEGAL NAME O	FINVENTOR			
Inventor: Domi	nik STURM	Date:	28.05	2014
Signature:	7 -			

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Title of Invention	AQUEOUS BINDERS FOR HEAT-SEALING APPLICA	ATIONS	
As the below name	ed inventor, I hereby declare that:		
This declaration [	The attached application, or		
is directed to:	United States application or PCT international applicat filed on September 06, 2013	on number PCT/E	P2013/068471
The above-identific	ed application was made or authorized to be made by me.		
I believe that I am t	the original inventor or an original joint inventor of a clair	ned invention in th	e application.
Germany, is desiro	EVONIK INDUSTRIES AG ed to as "ASSIGNEE") having places of business at: ous of acquiring the entire right, title and interest in and to a may be granted therefore in the United States and its t	said invention and	in and to any
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS of for other good and valuable consideration, I, by these the full and exclusive right to the said invention in the Uncountries (including the right to claim priority under the transitional Treaties and Arrangements from the aforesaid any and all Letters Patent which may be granted therefor any and all foreign countries and in and to any an enewals thereof.	presents do sell, assisted States and its erms of the Internat application) and the or in the United St	sign and transfer unto territorial possessions tional Convention and entire right, title and ates and its territorial
any and all foreign assignee of my ent (his) successors an	rize and request the Patent Office Officials in the United in countries to issue any and all of said Letters Patent, which right, title and interest in and to the same, for the solund assigns, to the full end of the term for which said Letter would have been held by me had this Assignment and so	when granted, to sa e use and behoof o ters Patent may be	id ASSIGNEE as the f said ASSIGNEE, its
Further, I agree that I will communicate to said ASSIGNEE 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, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, 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.			
	wledge that any willful false statement made in this declar nment of not more than five (5) years, or both.	ation is punishable	under 18 U.S.C. 1001
LEGAL NAME O		<del>-</del>	
Inventor: Chris	stian GOLDITZ I	Date: <u> </u>	5.2014
Signature:	Gridun folly		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

Invention	AQUEOUS BINDERS FOR HEAT-SEALIN	G APPLICATIONS	
As the below named inventor, I hereby declare that:			
This declaration [	The attached application, or		
is directed to:	United States application or PCT internation filed on September 06, 2013	nal application number PCT/EP2013/068471	
The above-identifie	ed application was made or authorized to be m	ade by me.	
I believe that I am t	the original inventor or an original joint invent	or of a claimed invention in the application.	
WHEREAS,	EVONIK INDUSTRIE		
Germany, is desiro	ous of acquiring the entire right, title and intere	usiness at: Rellinghauser Straße 1-11, 45128 Essen, st in and to said invention and in and to any es and its territorial possessions and in any and all	
acknowledged, and said ASSIGNEE, that and in all foreign cother relevant Inter- interest in and to a	If for other good and valuable consideration, I the full and exclusive right to the said invention countries (including the right to claim priority rnational Treaties and Arrangements from the any and all Letters Patent which may be grain any and all foreign countries and in and	DOLLARS (\$5.00), the receipt whereof is hereby, by these presents do sell, assign and transfer unto in the United States and its territorial possessions under the terms of the International Convention and aforesaid application) and the entire right, title and ited therefor in the United States and its territorial to any and all divisions, reissues, continuations,	
any and all foreign assignee of my ent (his) successors an	n countries to issue any and all of said Lette tire right, title and interest in and to the same,	the United States and its territorial possessions and rs Patent, when granted, to said ASSIGNEE as the for the sole use and behoof of said ASSIGNEE, its ch said Letters Patent may be granted, as fully and ment and sale not been made.	
respecting said in continuation, subst all of said Letters possible to aid said	ivention, and testify in any legal proceedir titute, renewal and reissue applications, execu Patent to be issued to said ASSIGNEE, ma	or its (his) representatives any facts known to me g, sign all lawful papers, execute all divisional, te all necessary assignment papers to cause any and like all rightful oaths, and, generally do everything as, to obtain and enforce proper protection for said in any and all foreign countries.	
	wledge that any willful false statement made in ment of not more than five (5) years, or both.	this declaration is punishable under 18 U.S.C. 1001	
LEGAL NAME O	F INVENTOR		
Inventor: Micha	ael WICKE	Date: 28.05.2014	
Signature:	1. Ll		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Title of Invention	AQUEOUS BINDERS FOR HEAT-SEA	LING APPLICATIONS	
As the below name	d inventor, I hereby declare that:		
This declaration	The attached application, or		
is directed to:	United States application or PCT internation September 06, 2013	ational application numb	per PCT/EP2013/068471
The above-identifie	ed application was made or authorized to b	e made by me.	
I believe that I am t	the original inventor or an original joint in	ventor of a claimed invo	ention in the application.
WHEREAS,	EVONIK INDUST		
Germany, is desiro	(hereinafter referred to as "ASSIGNEE") having places of business at: Rellinghauser Straße 1-11, 45128 Essen, Germany, 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;		
acknowledged, and said ASSIGNEE, thand in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FI for other good and valuable consideration he full and exclusive right to the said involuntries (including the right to claim prior mational Treaties and Arrangements from any and all Letters Patent which may be a rany and all foreign countries and in enewals thereof.	on, I, by these presents ention in the United Sta- rity under the terms of the aforesaid application granted therefor in the	do sell, assign and transfer unto tes and its territorial possessions the International Convention and on) and the entire right, title and United States and its territorial
any and all foreign assignee of my ent (his) successors an	ize and request the Patent Office Officials n countries to issue any and all of said L ire right, title and interest in and to the said assigns, to the full end of the term for e would have been held by me had this As	etters Patent, when gra me, for the sole use an- which said Letters Pate	ented, to said ASSIGNEE as the d behoof of said ASSIGNEE, its ent may be granted, as fully and
Further, I agree that I will communicate to said ASSIGNEE 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, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, 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.			
	vledge that any willful false statement mad ment of not more than five (5) years, or be		punishable under 18 U.S.C. 1001
LEGAL NAME O	F INVENTOR		
Inventor: Herbe	ert JUNG	Date:	27.05.2014
Signature:	sall In		

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Invention	AQUEOUS BINDERS FOR HEAT-SEALING APPLICATIONS
As the below name	d inventor, I hereby declare that:
This declaration [	The attached application, or
is directed to:	United States application or PCT international application number PCT/EP2013/068471 filed on September 06, 2013
The above-identifie	ed application was made or authorized to be made by me.
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.
Germany, is desiro	EVONIK INDUSTRIES AG ed to as "ASSIGNEE") having places of business at: Rellinghauser Straße 1-11, 45128 Essen, us of acquiring the entire right, title and interest in and to said invention and in and to any may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions ountries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.
any and all foreign assignce of my ent (his) successors an	ize and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and e would have been held by me had this Assignment and sale not been made.
respecting said in continuation, subst all of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, itute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything d ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said inted States and its territorial possessions and in any and all foreign countries.
	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	FINVENTOR
Inventor: Jürge	n HARTMANN Date: 2014-06.01
Signature:	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Title of Invention	AQUEOUS BINDERS FOR HEAT-SEALING APPLICATIONS
As the below named	f inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number PCT/EP2013/068471 filed on September 06, 2013
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS,	EVONIK INDUSTRIES AG
Germany, is desirou	d to as "ASSIGNEE") having places of business at: Rellinghauser Straße 1-11, 45128 Essen, is of acquiring the entire right, title and interest in and to said invention and in and to any may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, and said ASSIGNEE, the and in all foreign conterrelevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignee of my ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
respecting said in continuation, substall of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, itute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ited States and its territorial possessions and in any and all foreign countries.
, .	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Dr. B	runo KELLER Date: 2705,14
Signature:	K160

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 034844 FRAME: 0753

RECORDED: 01/29/2015