

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8080624

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HEINZ DETERS	06/17/2017
HENNING ZUPAN	06/07/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ASK CHEMICALS GMBH
<b>Street Address:</b>	REISHOLZSTRASSE 16-18
<b>City:</b>	HILDEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	40721
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	18046191
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(614)792-5536
<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>	6147925555
<b>Email:</b>	standleydocketing@standleyllp.com
<b>Correspondent Name:</b>	STANDLEY LAW GROUP LLP
<b>Address Line 1:</b>	6300 RIVERSIDE DRIVE
<b>Address Line 4:</b>	DUBLIN, OHIO 43017
<b>ATTORNEY DOCKET NUMBER:</b>	MUL2544-020B
<b>NAME OF SUBMITTER:</b>	KENNY W. PUNG
<b>SIGNATURE:</b>	/Kenny W. Pung/
<b>DATE SIGNED:</b>	07/27/2023
<b>Total Attachments: 3</b>	
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source=SignedDecAssign_ZUPAN#page2.tif	
source=SignedDecAssign_DETERS#page1.tif	

**COMBINED ASSIGNMENT AND DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**Title of Invention**

METHOD FOR CONSTRUCTING MOLDS AND CORES LAYER BY LAYER BY MEANS OF A BINDER CONTAINING WATER GLASS, AND A BINDER CONTAINING WATER GLASS

**DECLARATION**

As the below named inventor, I hereby declare that:

This declaration is directed to:  The attached application, or

International application number PCT/DE15/00589, filed on December 11, 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.

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.

**ASSIGNMENT**

For at least one U.S. dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer to ASK Chemicals GmbH, a corporation organized under the laws of Germany and having an office at Reisholzstrasse 16-18, Hilden, Germany 40721, (hereinafter referred to as the Assignee) my entire right, title and interest, together with all rights of priority, in and to the invention set forth in the above-identified application. I further hereby sell, assign and transfer to the Assignee my entire right, title and interest, together with all rights of priority, in and to my invention as described and/or claimed in any and all applications for patents based on the invention, including divisionals, continuations, renewals, substitutes and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.

I authorize the Assignee to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in the Assignee's name.

I promise and agree that I will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the invention. I will, at any time, upon the request and without further consideration, but at the expense of the Assignee, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, to the Assignee, its successors, assigns, or other legal representatives. I will, at any time, upon the request and at the expense of the Assignee, execute any continuations, divisionals, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents issuing thereon are hereby assigned to the Assignee. I will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of the Assignee, its successors, assigns or other legal representatives.

I authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to the Assignee.

**LEGAL NAME OF INVENTOR**

Inventor: Henning ZUPAN

Signature: H. Zupan Date: 09.06.2017

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional form for each additional inventor.

Advice from Standley Law Group LLP: It is advisable to obtain two witness signatures to the above inventor signature in the places indicated below, OR in the alternative, it is advisable to obtain a notarization of the above inventor signature in the notary section set forth below. With or without the witness signatures or the notarization, this assignment is a legally binding agreement to assign the invention to the assignee.

Optional (but advisable) witness signatures:

Witness One

Printed Full Legal Name: Heidemarie Hansen

Signature: H. Hansen

Date: 9 June 2017

Witness Two

Printed Full Legal Name: M. Sue / Ruster

Signature: M. Sue

Date: 9 June 2017

Or, optional (but advisable) notarization:

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ : SS.

Before me personally appeared Henning DUPAN, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth. Sworn to before me and subscribed in my presence this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(seal)

\_\_\_\_\_  
Notary Public

**COMBINED ASSIGNMENT AND DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.75)**

**Title of Invention** METHOD FOR CONSTRUCTING MOLDS AND CORES LAYER BY LAYER BY MEANS OF A BINDER CONTAINING WATER GLASS, AND A BINDER CONTAINING WATER GLASS

**DECLARATION**

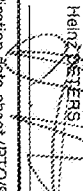
As the below named inventor, I hereby declare that:  
 This declaration is directed to:  The attached application, or  International application number PCT/DE18/00589, filed on December 11, 2015.

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.  
 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.

**ASSIGNMENT**

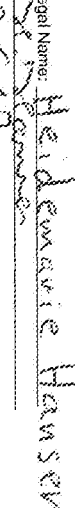
For at least one U.S. dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer to ASK Chemicals GmbH, a corporation organized under the laws of Germany and having an office at Piescholzstrasse 16-18, Hilden, Germany 40721, (hereinafter referred to as the Assignee) my entire right, title and interest, together with all rights of priority, in and to the invention set forth in the above-identified application. I further hereby sell, assign and transfer to the Assignee my entire right, title and interest, together with all rights of priority, in and to my invention as described and/or claimed in any and all applications for patents based on the invention, including divisional, continuations, renewals, substitutes and reissues thereof, and all rights of priority resulting from any of these patent applications, as well as all foreign counterparts and extensions thereof, together with all patents issuing on any of these applications for the full terms of all of the patents which may be granted on the invention.  
 I authorize the Assignee to make applications for, to prosecute such applications, and to receive patents for the invention in the United States and any foreign countries, in the Assignee's name.  
 I promise and agree that I will execute or procure any further necessary assurance of title to the invention and any patents which may issue on the invention. I will, at any time, upon the request and without further consideration, but at the expense of the Assignee, deliver any testimony in any legal proceedings and execute all papers and do all other things that may be necessary or desirable to perfect the title to the invention, or any patents which may be granted therefor, to the Assignee, its successors, assigns, or other legal representatives. I will, at any time, upon the request and at the expense of the Assignee, execute any continuations, divisional, reissues, or any other additional applications for patents for the invention or any part or parts thereof and any patents issuing thereon are hereby assigned to the Assignee. I will make all rightful oaths, and do all lawful acts required for procuring and enforcing any of the patents, without further compensation, but at the expense of the Assignee, its successors, assigns or other legal representatives.

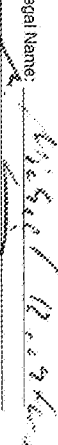
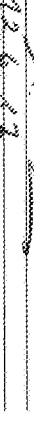
I authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for the invention, resulting from any of the aforesaid applications to the Assignee.

**LEGAL NAME OF INVENTOR**  
 Inventor: Heinz DETERS  
 Signature:  Date: 12.06.17  
 Note: An application data sheet (PDS/ISA/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional form for each additional inventor.

Advice from Standley Law Group LLP: It is advisable to obtain two witness signatures to the above inventor signature in the places indicated below, OR in the alternative, it is advisable to obtain a notarization of the above inventor signature in the notary section set forth below. With or without the witness signatures or the notarization, this assignment is a legally binding agreement to assign the invention to the assignee.

Optional (but advisable) witness signatures:

Witness One  
 Printed Full Legal Name: Heidemarie Hansson  
 Signature:   
 Date: 12.06.17

Witness Two  
 Printed Full Legal Name:   
 Signature:   
 Date: 12.06.17

Or, optional (but advisable) notarization:  
 STATE OF \_\_\_\_\_  
 COUNTY OF \_\_\_\_\_, SS.

Before me personally appeared Heinz DETERS, to me known to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth. Sworn to before me and subscribed in my presence this \_\_\_\_\_ day of \_\_\_\_\_, 2017.

(seal) Notary Public