

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Universitaet zu Luebeck</td> <td>04/24/2013</td> </tr> <tr> <td>Universitaet Hamburg</td> <td>04/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Universitaet zu Luebeck	04/24/2013	Universitaet Hamburg	04/26/2013				
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Universitaet Hamburg	04/26/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Xtal Concepts GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Stellinger Steindamm 7</td> </tr> <tr> <td>City:</td> <td>Hamburg</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>22527</td> </tr> </table>		Name:	Xtal Concepts GmbH	Street Address:	Stellinger Steindamm 7	City:	Hamburg	State/Country:	GERMANY	Postal Code:	22527
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13806149</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13806149						
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CORRESPONDENCE DATA											
<p>Fax Number: 9549227390  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 954-922-7315    Email: felgentreff@patentcentral.com    Correspondent Name: Patent Central LLC    Address Line 1: 1401 Hollywood Blvd.    Address Line 4: Hollywood, FLORIDA 33020</p>											
ATTORNEY DOCKET NUMBER:	4043.025										
NAME OF SUBMITTER:	Stephan A. Pendorf										
Signature:	/Stephan A. Pendorf/										
Date:	05/10/2013										

**Total Attachments: 4**

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## ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of valuable consideration, receipt whereof is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR                      **Universitaet Hamburg**  
Edmund-Siemers-Allee-1  
20146 Hamburg  
Germany

hereby sell, assign and transfer to

ASSIGNEE                      **Xtal Concepts GmbH**  
Stellinger Steindamm 7  
22527 Hamburg  
Germany

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and countries foreign thereto, in and to any and all improvements which are disclosed in the invention entitled "**DEVICE AND METHOD FOR MONITORING CRYSTALLIZATION**", and which is found in U.S. Patent Application Serial Number 13/806,149 filed February 12, 2013. (I hereby authorize and request our attorneys Patent Central LLC of 1401 Hollywood Blvd., Hollywood, Florida 33020, to insert the application number and filing date of said application when known) or any continuation, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof, including the right to claim priority under 35 U.S.C. §119, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the ASSIGNEE, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the ASSIGNEE in connection with the United States application when called upon to do so by the Assignee;

ASSIGNOR hereby covenant that no assignment, sale, agreement or encumbrance has been made or will be made or entered into which would conflict with this Assignment;

ASSIGNOR further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Authorized to sign for Universitaet Hamburg:

1. Steffi Keller  
Printed Name: 2. Dr. Harald Schlüter  
1. Head of Department of Finance  
and Accounting  
Title: 2. Head of Department of Research,  
Management and Funding

Signature: \_\_\_\_\_

Date: 04/26/2013

HAMBURG UNIVERSITY, Date 26.04.2013  
Department of Finance and Accounting      Department of Research  
Management and Funding  
*Steffi Keller*      *H. Schlüter*  
Steffi Keller      Dr. Harald Schlüter

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261.)

## **ASSIGNMENT**

In consideration of the payment by ASSIGNEE to ASSIGNOR of valuable consideration, receipt whereof is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR                      **Universitaet zu Luebeck**  
Ratzeburger-Allee-160  
23538 Luebeck  
Germany

hereby sell, assign and transfer to

ASSIGNEE                      **Xtal Concepts GmbH**  
Stellinger Steindamm 7  
22527 Hamburg  
Germany

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and countries foreign thereto, in and to any and all improvements which are disclosed in the invention entitled "**DEVICE AND METHOD FOR MONITORING CRYSTALLIZATION**", and which is found in U.S. Patent Application Serial Number 13/806,149 filed February 12, 2013, (I hereby authorize and request our attorneys Patent Central LLC of 1401 Hollywood Blvd., Hollywood, Florida 33020, to insert the application number and filing date of said application when known) or any continuation, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof, including the right to claim priority under 35 U.S.C. §119, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the ASSIGNEE, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the ASSIGNEE in connection with the United States application when called upon to do so by the Assignee;

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Authorized to sign for Universitaet zu Luebeck:

Printed Name: Prof. Dr. Thorsten H. Buzug

Title: Vizepräsident

Signature: 

Das Präsidium  
der Universität zu Lübeck  
Ratzeburger Allee 100, 23562 Lübeck

Date: 04/24/13

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261.)