

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3772043

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KLAUS-UWE BADEKE	01/12/2016
MARTIN TROMMER	01/12/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14893705
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<b>SIGNATURE:</b>	/paulpkempf/
<b>DATE SIGNED:</b>	03/07/2016
<b>Total Attachments: 1</b>	
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## ASSIGNMENT

Whereas We, the below-named inventors, have made an invention in

### EVAPORATOR AND METHOD FOR PRODUCING SYNTHETIC FUSED QUARTZ

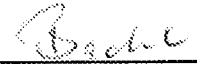
and have filed an application for Letters Patent of the United States of America, which may be identified in the United States Patent and Trademark Office by International Application Number PCT/EP2014/000660, filed March 12, 2014, which entered the U.S. National Stage on November 24, 2015 under Serial Number 14/893,705.

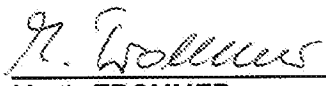
Now, therefore, for good and valuable consideration, the receipt and adequacy of which is acknowledged, we have agreed to assign and transfer and do hereby assign and transfer unto Heraeus Quarzglas GmbH & Co. KG, a corporation of the Federal Republic of Germany, having its principal office at Quarzstrasse 8, Hanau, Germany 63450 ("Company"), its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by us or any of us made jointly with others (provided any such improvement is made during our employment by the said Company or within one year thereafter), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully exclusively as they would have been by us or any of us had this assignment had transfer not been made;

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the said Company, its successors, assigns, and nominees, to fully secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said Company as the assignee of the entire right, title, and interest therein.

We have hereunto signed our names on the day and year set forth below.

 January 12, 2016  
Klaus-Uwe BADEKE Date  
Residence: Petersberg-Sennowitz, Germany

 January 12, 2016  
Martin TROMMER Date  
Residence: Bitterfeld, Germany