

PATENT ASSIGNMENT

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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>Gerhard Kalkowski</td> <td>04/01/2013</td> </tr> <tr> <td>Simone Fabian</td> <td>04/01/2013</td> </tr> <tr> <td>Charlotte Jahnke</td> <td>04/01/2013</td> </tr> <tr> <td>Ramona Eberhardt</td> <td>04/01/2013</td> </tr> <tr> <td>Mark Schuermann</td> <td>04/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	Gerhard Kalkowski	04/01/2013	Simone Fabian	04/01/2013	Charlotte Jahnke	04/01/2013	Ramona Eberhardt	04/01/2013	Mark Schuermann	04/01/2013
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RECEIVING PARTY DATA													
Name:	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.												
Street Address:	Hansastrasse 27c												
City:	Muenchen												
State/Country:	GERMANY												
Postal Code:	80686												
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>13697253</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13697253								
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CORRESPONDENCE DATA													
Fax Number:	2156893640												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	F6245-00022												
NAME OF SUBMITTER:	Richard A. Paikoff												
Signature:	/Richard A. Paikoff/												

CH \$40.00 13697253

Date:

05/20/2013

Total Attachments: 2

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ASSIGNMENT

WHEREAS, the undersigned, **Gerhard Kalkowski**, a citizen of Germany, residing at Closewitzer Strasse 1, 07743 Jena, Germany; **Simone Fabian**, a citizen of Germany residing at Ottogerd-Muehlmann-Strasse 29, 07743 Jena, Germany; **Charlotte Jahnke**, a citizen of Germany residing at Hohendorf 2, 07616 Buerge, Germany; **Ramona Eberhardt**, a citizen of Germany residing at Ossmaritz 5A, 07751 Bucha, Germany; and **Mark Schuermann**, a citizen of Germany residing at Sankt-Jakob-Strasse 14, 07743 Jena, Germany (hereinafter referred to as "ASSIGNORS") are the inventors of certain inventions or improvements for **METHOD FOR THE SILICEOUS BONDING OF COATED AND UNCOATED OPTICAL BODIES**, for which ASSIGNORS have disclosed and claimed in International Patent Application Number PCT/EP2011/057448 (filed 09 May 2011), which claims the priority of German Patent Application No. 102010016908.0 (filed 11 May 2010) and for which a United States national phase patent application was filed on 09 November 2012 as U.S. Application Number 13/697,253; and

WHEREAS, **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.**, a corporation of Germany, having a mailing address of Hansastrasse 27c, 80686 Muenchen, Germany (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said invention or improvements and in and to said application for patent, including the right to file the application internationally and all rights to claim priority, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and in any and all other countries;

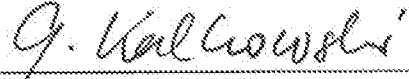
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby freely acknowledged and intending to be legally bound, said ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions, and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and its possessions and territories and in all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, sale and transfer not been made.

AND the undersigned ASSIGNORS do hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute any agreement in conflict herewith, and further covenant and agree that they will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agree to communicate to said ASSIGNEE or to its nominees all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify

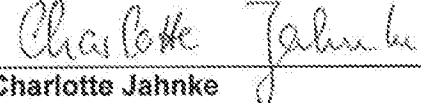
in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce, for its own benefit, proper patent protection for said inventions or improvements in the United States and its possessions and territories and in all other countries;

AND ASSIGNORS do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue to said ASSIGNEE the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

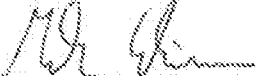
IN WITNESS WHEREOF, ASSIGNORS hereunto set their hand and seal, intending to be legally bound.

Date: April 1, 2013 
Gerhard Kalkowski

Date: April 1, 2013 
Simone Fabian

Date: April 1, 2013 
Charlotte Jahnke

Date: April 1, 2013 
Ramona Eberhardt

Date: April 1, 2013 
Mark Schuermann