

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>Markus Herz</td> <td>10/25/2012</td> </tr> <tr> <td>Martin Richter</td> <td>11/05/2012</td> </tr> <tr> <td>Martin Wackerle</td> <td>11/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Markus Herz	10/25/2012	Martin Richter	11/05/2012	Martin Wackerle	11/05/2012
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Markus Herz	10/25/2012								
Martin Richter	11/05/2012								
Martin Wackerle	11/05/2012								
RECEIVING PARTY DATA									
Name:	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.								
Street Address:	Hansastrasse 27c								
City:	Munich								
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>13604294</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13604294				
Property Type	Number								
Application Number:	13604294								
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<p>Total Attachments: 4</p> <p>source=Signed Assignment SCHO0852C#page1.tif</p> <p>source=Signed Assignment SCHO0852C#page2.tif</p> <p>source=Signed Assignment SCHO0852C#page3.tif</p> <p>source=Signed Assignment SCHO0852C#page4.tif</p>									

CH \$40.00 13604294

ASSIGNMENT

WHEREAS, We/I, Markus HERZ, Martin RICHTER, and Martin WACKERLE, hereinafter referred to as "ASSIGNOR(S)", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent entitled:

METHOD FOR MANUFACTURING A BENDING TRANSDUCER, A MICRO PUMP AND A MICRO VALVE, MICRO PUMP AND MICRO VALVE

Filing Date: September 5, 2012 Serial No. 13/604,294

WHEREAS, Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V., a corporation duly organized under and pursuant to the laws of the country of Germany, having its principal place of business at Hansastrasse 27c, 80686 Munich, Germany, are hereinafter referred to as "ASSIGNEES", are desirous of acquiring the entire right, title, and interest in the said invention and application and in any Letters Patent which may be granted with regard to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, ASSIGNOR(S) have sold, assigned, and transferred, and by these presents does sell, assign, and transfer unto the said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title, and interest in and to said invention, said application for United States Letters Patent and any Letters Patent which may be hereafter granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or part, substitutions, conversions, reissues, revivals, prolongation, or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR(S) had this assignment and transfer not been made, for all time.

ASSIGNOR(S) further agrees that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE may lawfully request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

IN TESTIMONY WHEREOF, ASSIGNOR(S) has hereunto signed his name to the assignment on the date indicated below.



Markus HERZ

Oct. 25, 2012
Date

Martin RICHTER

Date

Martin WACKERLE

Date

ASSIGNMENT

WHEREAS, We/I, Markus HERZ, Martin RICHTER, and Martin WACKERLE, hereinafter referred to as "ASSIGNOR(S)", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent entitled:

METHOD FOR MANUFACTURING A BENDING TRANSDUCER, A MICRO PUMP AND A MICRO VALVE, MICRO PUMP AND MICRO VALVE

Filing Date: September 5, 2012 Serial No. 13/804,294

WHEREAS, Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V., a corporation duly organized under and pursuant to the laws of the country of Germany, having its principal place of business at Hansastrasse 27c, 80686 Munich, Germany, are hereinafter referred to as "ASSIGNEES", are desirous of acquiring the entire right, title, and interest in the said invention and application and in any Letters Patent which may be granted with regard to the same.

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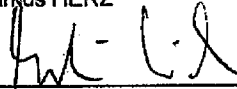
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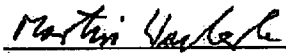
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Markus HERZ



Martin RICHTER



Martin WACKERLE

Date

5.11.12

Date

5.11.2012

Date