

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the assignee's name from Thin Material AG to Thin Materials AG previously recorded on Reel 024794 Frame 0617. Assignor (s) hereby confirms the assignment of assignor's interest.										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> <tr> <td>FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.</td> <td>07/22/2010</td> </tr> </table>		Name	Execution Date	FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	07/22/2010						
Name	Execution Date										
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	07/22/2010										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>THIN MATERIALS AG</td> </tr> <tr> <td>Street Address:</td> <td>Elsterstrasse 23</td> </tr> <tr> <td>City:</td> <td>Eichnau</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>82223</td> </tr> </table>		Name:	THIN MATERIALS AG	Street Address:	Elsterstrasse 23	City:	Eichnau	State/Country:	GERMANY	Postal Code:	82223
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Street Address:	Elsterstrasse 23										
City:	Eichnau										
State/Country:	GERMANY										
Postal Code:	82223										
<b>PROPERTY NUMBERS Total: 2</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> <tr> <td>Application Number:</td> <td>12359730</td> </tr> <tr> <td>Patent Number:</td> <td>7482249</td> </tr> </table>		Property Type	Number	Application Number:	12359730	Patent Number:	7482249				
Property Type	Number										
Application Number:	12359730										
Patent Number:	7482249										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (202)659-9344</p> <p>Phone: 2026599076</p> <p>Email: galberter@roylance.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: ROYLANCE, ABRAMS, BERDO &amp; GOODMAN, L.L.P</p> <p>Address Line 1: 1300 19TH STREET, N.W.</p> <p>Address Line 2: SUITE 600</p> <p>Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20036</p>											
<b>ATTORNEY DOCKET NUMBER:</b>	55383										
<b>NAME OF SUBMITTER:</b>	Garrett V. Davis										

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**PATENT**  
 REEL: 027291 FRAME: 0058

Total Attachments: 5

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (hereinafter ASSIGNOR), a corporation duly organized under the laws of Germany, located and doing business at Hansastraße 27c, München, Germany 80636 is the owner of the entire right, title and interest, by assignment recorded in the United States Patent and Trademark Office on November 18, 2005 at Reel No. 017578 Frame 0557, in the invention entitled "METHOD AND DEVICE FOR MACHINING A WAFER, IN ADDITION TO A WAFER COMPRISING A SEPARATION LAYER AND A SUPPORT LAYER," which is the subject of Letters Patent of the United States Patent No. 7,482,249, issued on January 27, 2009, and currently pending divisional application Serial No. 12/359,730, filed on January 26, 2009,

Materials

WHEREAS, Thin Materials AG (hereinafter ASSIGNEE), a corporation duly organized under the laws of Germany, located and doing business at Elsterstraße 23, Eichnau, Germany 82223 is desirous of acquiring 50 % of the right, title and interest in and to the aforementioned invention and the aforementioned application and any and all Letters Patent to be obtained on said invention and/or application;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for and in consideration of good and valuable consideration paid to ASSIGNOR by said ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, said ASSIGNOR, by these presents does hereby sell, assign, set over and transfer unto the said ASSIGNEE its successors, legal representatives or assigns, 50 % of the right, title and interest including the right to enforce the patent against any infringement that may have occurred before this assignment in and to the aforesaid invention in and for the United States and all countries foreign thereto; and in, to and under the aforesaid United States patent and application and any corresponding foreign applications and any divisional, continuing, substitute or reissue applications or supplementary disclosures which may be or have been filed on said invention in any country; and the right to file said foreign applications and claim priority under the provisions of the International Convention; and any Letters Patent of the United States or any foreign country issued or granted on said invention and/or said applications;

AND ASSIGNOR HEREBY covenants that it has the full right to convey 50 % of the right, title and interest herein assigned and that it has not executed and will not execute any assignment or other instrument in conflict herewith.

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 22 day of

July, 2010.

Narrin Bletsch

Witness

Dr. Helmut Schubert (LS)

Name:

Title:

On behalf of Assignor

Dr. Helmut Schubert  
Head of Patents and Licensing  
Fraunhofer-Gesellschaft zur Förderung  
der angewandten Forschung e.V.

November 24<sup>th</sup>, 2011

PATENT

REEL: 027291 FRAME: 0060

ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P. COMPANY: 130 19TH STREET, N.W.

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



\*501255313\*

AUGUST 06, 2010

PTAS

ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P.  
1300 19TH STREET, N.W.  
SUITE 600  
WASHINGTON, DC 20036

501255313  
55383

AUG 10 2010

ROYLANCE, ABRAMS  
BERDO & GOODMAN, L.L.P.

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/06/2010

REEL/FRAME: 024794/0617

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 55383

## ASSIGNOR:

FRAUNHOFER-GESELLSCHAFT ZUR  
FORDERUNG DER ANGEWANDTEN  
FORSCHUNG E.V.

DOC DATE: 07/22/2010

## ASSIGNEE:

THIN MATERIAL AG  
ELSTERSTRASSE 23  
EICHNAU, GERMANY 82223

SERIAL NUMBER: 12359730

FILING DATE: 01/26/2009

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND DEVICE FOR MACHINING A WAFER, IN ADDITION TO A WAFER  
COMPRISING A SEPARATION LAYER AND A SUPPORT LAYER

NO: ROYLANCE, ABRAMS, BERDO & MODMAN, L.L.P. COMPANY: 130 19TH STREET, N.W.

024794/0617 PAGE 2

SERIAL NUMBER: 10536725

FILING DATE: 11/18/2005

PATENT NUMBER: 7482249

ISSUE DATE: 01/27/2009

TITLE: METHOD AND DEVICE FOR MACHINING A WAFER, IN ADDITION TO A WAFER  
COMPRISING A SEPARATION LAYER AND A SUPPORT LAYER

ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

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08/06/2010  
501255313

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V.	07/22/2010
RECEIVING PARTY DATA	
Name:	Thin Material AG
Street Address:	Elsterstrasse 23
City:	Eichnau
State/Country:	GERMANY
Postal Code:	82223
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	12359730
Patent Number:	7482249
CORRESPONDENCE DATA	
Fax Number:	(202)659-9344
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2026599076
Email:	rshah@roylance.com
Correspondent Name:	Roylance, Abrams, Berdo & Goodman, L.L.P
Address Line 1:	1300 19th Street, N.W.
Address Line 2:	Suite 600
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20036
ATTORNEY DOCKET NUMBER:	55383
NAME OF SUBMITTER:	Rajiv S. Shah
Total Attachments: 1 source=Executed_Assign#page1.tif	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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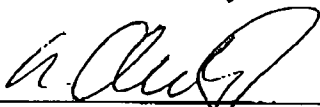
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On behalf of Assignor

**Dr. Helmut Schubert**  
Head of Patents and Licensing  
Fraunhofer-Gesellschaft zur Förderung  
der angewandten Forschung e.V.

PATENT

RECORDED: 11/29/2011

REEL: 027291 FRAME: 0064