

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>Christian FUHSE</td> <td>05/02/2012</td> </tr> <tr> <td>Michael RAHM</td> <td>05/02/2012</td> </tr> <tr> <td>Manfred HEIM</td> <td>05/15/2012</td> </tr> <tr> <td>Ralf LIEBLER</td> <td>05/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Christian FUHSE	05/02/2012	Michael RAHM	05/02/2012	Manfred HEIM	05/15/2012	Ralf LIEBLER	05/02/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>GIESECKE & DEVRIENT GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Prinzregentenstrasse 159</td> </tr> <tr> <td>City:</td> <td>Munich</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>81677</td> </tr> </table>		Name:	GIESECKE & DEVRIENT GmbH	Street Address:	Prinzregentenstrasse 159	City:	Munich	State/Country:	GERMANY	Postal Code:	81677
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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>13395333</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13395333						
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Application Number:	13395333										
CORRESPONDENCE DATA											
<p>Fax Number: (303)499-8089 Phone: 3034998080 Email: usptomail@GreenleeSullivan.com <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: Steven J. Penner Address Line 1: 4875 Pearl East Circle, Suite 200 Address Line 4: Boulder, COLORADO 80301</p>											
ATTORNEY DOCKET NUMBER:	15-12										
NAME OF SUBMITTER:	Steven J. Penner										
Total Attachments: 4 source=15-12_US_exec_assgn#page1.tif source=15-12_US_exec_assgn#page2.tif source=15-12_US_exec_assgn#page3.tif source=15-12_US_exec_assgn#page4.tif											

CH \$40.00 13395333

**ASSIGNMENT
with Certificate of Witness**

WHEREAS, WE:

1. Christian FUHSE, residing at Matheisweg 24, Otterfing, D-83624, Germany;
2. Michael RAHM, residing at Akeleistrasse 27, Bad Tolz, D-83646, Germany;
3. Manfred HEIM, residing at Auguste-Wittig-Str. 52, Bad Tolz, D-83646, Germany;
4. Ralf LIEBLER, residing at Miesbacher Str. 29F, Schliersee, D-83727, Germany;

(herein called "ASSIGNORS"), are the inventors of the invention entitled:

"Thin-Layer Element Having an Interference Layer Structure";

for which the following patent application:

United States Patent Application Serial No. 13/395,333, filed March 9, 2012

was submitted or filed;

AND WHEREAS, Giesecke & Devrient GmbH (herein called "ASSIGNEE"), an entity organized and existing under the laws of Germany, having a principal place of business at:

Prinzregentenstrasse 159
Munich 81677
GERMANY

is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application(s);

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I/we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and said applications herein, including said LISTED APPLICATIONS and all continuations and subsequent applications, including divisional applications thereof, and national phase applications as applicable; and all Patents of the United States which may be granted thereon and all reissues and extensions; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of patent application(s) herein, including said LISTED APPLICATIONS and applications thereof and

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ASSIGNMENT with Certificate of Witness

therefrom, applications for industrial protection under the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and applications thereof and therefrom; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND I/WE HEREBY covenant and agree that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith;

AND I/WE HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information 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;

AND I/WE HEREBY further covenant and agree that I/we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention in any and all countries;

IN TESTIMONY WHEREOF, I/we hereunto set our hands and seals (if applicable) the day and year set opposite our signatures.

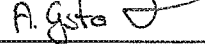
51 192115

Inventor 1

Date: 05 / 02 / 2012 
Christian FUHSE

Certificate of Witness

I acknowledge that I was personally present and did see the above person, who is personally known to me, duly execute the above assignment on the date therein set forth.


Signature of Witness 
Printed Name of Witness Andrea GSTOTTENBAUER
Address of Witness Wiesseer Str. 10, D-83700 Weißbach
Germany

Inventor 2

Date: 05 / 02 / 2012 
Michael RAHM

Certificate of Witness

I acknowledge that I was personally present and did see the above person, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness 
Printed Name of Witness Josef SCHINABECK
Address of Witness Riffelstr. 63a, D-82467 Garmisch-Partenkirchen
Germany

Additional sheets for additional inventors: Yes

511921145

GS Ref. 15-12
ASSIGNMENT with Certificate of Witness

Inventor 3

Date: May 15, 2012

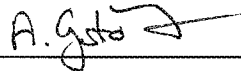


Manfred HEIM

Certificate of Witness

I acknowledge that I was personally present and did see the above person, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness



Printed Name of Witness

Andrea GSTÖTTENBAUER

Address of Witness

Wiesseer Str. 10, D-83700 Weißach,
Germany

Inventor 4

Date: May 2, 2012

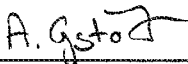


Ralf LIEBLER

Certificate of Witness

I acknowledge that I was personally present and did see the above person, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness



Printed Name of Witness

Andrea GSTÖTTENBAUER

Address of Witness

Wiesseer Str. 10, D-83700 Weißach,
Germany

Additional sheets for additional inventors: No

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RECORDED: 06/21/2012

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REEL: 028419 FRAME: 0974