

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2676625

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>HANS LOCHBIHLER</td> <td>09/18/2013</td> </tr> <tr> <td>MANFRED HEIM</td> <td>09/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	HANS LOCHBIHLER	09/18/2013	MANFRED HEIM	09/19/2013				
Name	Execution Date										
HANS LOCHBIHLER	09/18/2013										
MANFRED HEIM	09/19/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>GIESECKE &amp; 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
Name:	GIESECKE & DEVRIENT GMBH										
Street Address:	PRINZREGENTENSTRASSE 159										
City:	MUNICH										
State/Country:	GERMANY										
Postal Code:	81677										
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>14118023</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14118023						
Property Type	Number										
Application Number:	14118023										
CORRESPONDENCE DATA											
<p>Fax Number:</p> <p>Phone: 801-533-9800</p> <p>Email: amiller@wnlaw.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: WORKMAN NYDEGGER</p> <p>Address Line 1: 60 E. SOUTH TEMPLE</p> <p>Address Line 2: SUITE 1000</p> <p>Address Line 4: SALT LAKE CITY, UTAH 84111</p>											
ATTORNEY DOCKET NUMBER:	19838.154										
NAME OF SUBMITTER:	JUSTIN J. CASSELL										
Signature:	/Justin J. Cassell/										
Date:	01/10/2014										
<p>Total Attachments: 2</p> <p>source=19838-154-Assignment#page1.tif</p> <p>source=19838-154-Assignment#page2.tif</p>											

IN 22657105

**ASSIGNMENT**

Title of Invention: **Two-dimensionally periodic, color-filtering grating**

This assignment is directed to:

- ☐ The application for United States Letters Patent executed on even date herewith;
- ☐ United States patent number \_\_\_\_\_ granted on \_\_\_\_\_ ;
- ☒ United States application or Patent Cooperative Treaty international application  
number: **PCT/EP2012/002014**  
filed on **10.05.2012**

WHEREAS, I (we), the below named inventor, hereinafter referred to as ASSIGNOR, is the or an owner of certain new and useful improvements in the above identified application (hereinafter referred to as the INVENTION).

WHEREAS, **Giesecke & Devrient GmbH**

whose post office address is/are

**Prinzregentenstrasse 159, 81677 Munich, Germany**

hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the INVENTION in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed

within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any individual authorized to act on behalf of Customer Number 22913 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

LEGAL NAME OF INVENTOR/ASSIGNOR			
Name:	<b>Hans LOCHBIHLER</b>	Address:	<b>Maistraße 38, 80337 München , Germany</b>
Where Signed:	<i>Gmund</i>		
Signature:	<i>Hans Lochbihler</i>	Date:	<i>9/18/13</i>

LEGAL NAME OF INVENTOR/ASSIGNOR			
Name:	<b>Manfred HEIM</b>	Address:	<b>Auguste-Wittig-Str. 52, 83646 Bad Tölz , Germany</b>
Where Signed:	<i>Gmund</i>		
Signature:	<i>Manfred Heim</i>	Date:	<i>9/19/13</i>

☐ See following page(s) for additional joint inventor(s)/assignor(s).