

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2751022

|  |                                   |                |
|--|-----------------------------------|----------------|
| SUBMISSION TYPE:   | NEW ASSIGNMENT                    |                |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                        |                |
| CONVEYING PARTY DATA   |                                   |                |
| Name   |                                   | Execution Date |
| Martin Endres  |                                   | 02/25/2014     |
| RECEIVING PARTY DATA   |                                   |                |
| Name:  | CARL ZEISS SMT GMBH               |                |
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| City:  | OBERKOCHEN                        |                |
| State/Country:   | GERMANY                           |                |
| Postal Code:   | 73447                             |                |
| PROPERTY NUMBERS Total: 1  |                                   |                |
| Property Type  | Number                            |                |
| Application Number:  | 14050560                          |                |
| CORRESPONDENCE DATA  |                                   |                |
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| ATTORNEY DOCKET NUMBER:  | 21070-0106001                     |                |
| NAME OF SUBMITTER:   | ALISSA TIZZANO                    |                |
| Signature:   | /Alissa/                          |                |
| Date:  | 03/04/2014                        |                |
| Total Attachments: 2<br>source=P18385WOUS_Assignment#page1.tif<br>source=P18385WOUS_Assignment#page2.tif |                                   |                |

ASSIGNMENT

For valuable consideration, I, MARTIN ENDRES of Goethestrasse 3, D-89551 Koenigsbronn, Germany, hereby assign to: Carl Zeiss SMT GmbH, a corporation of Germany having a place of business at:

Rudolf-Eber-Strasse 2  
73447 Oberkochen  
Germany; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled ILLUMINATION OPTICAL UNIT, filed 10/10/2013, and assigned U.S. Serial Number 14/050,560, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: February 25th, 2014 Martin Endres  
MARTIN ENDRES

Witnessed by:

Name: Christina Gustafson

Date: February 25, 2014

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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