PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| Michael Sailer | 12/18/2006 |
| Mario Wanninger | 01/29/2007 |

RECEIVING PARTY DATA

| Name: | Osram Opto Semiconductors GmbH | |
|-------------------|--------------------------------|--|
| Street Address: | Wernerwerkstrasse 2 93049 | |
| Internal Address: | | |
| City: | Regensburg | |
| State/Country: | Germany | |
| Postal Code: | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 11631716 | |

CORRESPONDENCE DATA

Fax Number: (877)769-7945

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (617) 521-7857
Email: czc@fr.com
Correspondent Name: Marc Wefers

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 12406-233US1

NAME OF SUBMITTER: Cheryl A. Forrest

Total Attachments: 3

source=12406233US1Assignment#page1.tif

PATENT REEL: 019522 FRAME: 0719

500309299

.T. \$40.00

source=12406233US1Assignment#page2.tif source=12406233US1Assignment#page3.tif

PATENT REEL: 019522 FRAME: 0720 Attorney Docket No: 12406-233US1/P2004,0539 US N

ASSIGNMENT

For valuable consideration, we, MICHAEL SAILER of Nachtweide 5, 93098 Wolfskofen Germany, MARIO WANNINGER of Vorlandweg 4, 93055 Harting Germany, hereby assign to: Osram Opto Semiconductors GmbH, a corporation of Germany having a place of business at: Wernerwerkstrasse 2 93049 Regensburg 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 us, entitled <u>REFLECTOR ARRANGEMENT</u>, filed **01/05/2007**, and assigned U.S. Serial Number 11/631,716, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; 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 we authorize the Assignee to apply in all countries in our 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 we agree for ourselves and our 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.

> PATENT REEL: 019522 FRAME: 0721

EPPING HERMANN FISCHER 13-DEZ-2006 18:03

Attorney Docket No: 12406-233US1/P2004,0539 US N

MICHAEL SAILER

Witnessed by:

Name: Luclwig Rote Date: Dec 18th 2006

Name: Date: Dec 18th 2006

MARIO WANNINGER

Witnessed by:

Name: _____

. 21508783.doc

Fax S From ID: +49 8950032999 to: 1207 18:05 12/13/2006 [00:04:51] OK P.006/021

Attorney Docket No: 12406-233US1/P2004,0539 US N

| | | MICHAEL SAILER |
|---------------|---------------|-----------------|
| Witnessed by: | | |
| Name: | | Date: |
| Name: | | Date: |
| | | MARIO WANNINGER |
| Witnessed by: | | |
| Name: | Jovann Alvere | |
| Name: | Banaral | |

. 21508783.doc

RECORDED: 07/06/2007

PATENT REEL: 019522 FRAME: 0723