Substitute Form PTO-1595 Attorney Docket No.: 12406-130US1 Client's Ref. No.: P2003,0357 US N

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Stefan Grötsch and Patrick Kromotis	Osram Opto Semiconductors GmbH Wernerwerkstrasse 2 93049 Regensburg Germany
Additional name(s) attached? ☐ Yes ☒ No	
3. Nature of conveyance:	
☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other:	
Execution Date: Stefan Grötsch 12/07/2005 Patrick Kromotis 11/28/2005	Additional names/addresses attached? ☐ Yes 図 No
4. Application number(s) or patent number(s):	
If this document is being filed with a new application, the execution	date of the application is:
A. Patent Application No(s).:	B: Patent No(s).:
10/558,461	
Additional numbers attached? ☐ Yes 図 No	
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MARC M. WEFERS, PH.D., J.D.	7. Total fee (37 CFR §3.41): \$40
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ASSIGNMENT

For valuable consideration, we, STEFAN GRÖTSCH of Waldstrasse 6. D-93077 Lengfeld/Bad Abbach Germany, PATRICK KROMOTIS of Belisa Court, Lorong Leandros. 10250 Penang, Malaysia, 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 HOUSING FOR A RADIATION-EMITTING COMPONENT, METHOD FOR THE PRODUCTION THEREOF, AND RADIATION-EMITTING COMPONENT, filed 11/28/05, and assigned U.S. Serial Number 10/558,461 , 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.

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Witnessed by: PATRICK KROMOTIS

Date:

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Name:

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ASSIGNMENT

EPPING HERMANN FISCHER

For valuable consideration, we, STEFAN GRÖTSCH of Waldstrasse 6, D-93077 Lengfeld/Bad Abbach Germany, PATRICK KROMOTIS of Belisa Court, Lorong Leandros. 10250 Penang, Malaysia, 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 HOUSING FOR A RADIATION-EMITTING COMPONENT, METHOD FOR THE PRODUCTION THEREOF, AND RADIATION-EMITTING COMPONENT, filed 11/28/05, and assigned U.S. Serial Number 10/558.461, 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.

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STEFAN GRÖTSCH Date: Date:

PATRICK KROMOTIS

Witnessed by:

Witnessed by:

Name:

Name:

Date: 28 Novembr 2007

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