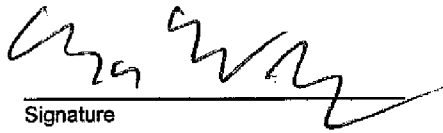


Substitute Form PTO-1595
 Attorney Docket No.: 12406-124001
 Client's Ref. No.: P2005,0569 US E

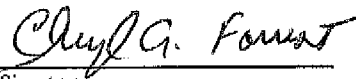
RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Michel Zwanenburg Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Osram Opto Semiconductors GmbH Wernerwerkstrasse 2 93049 Regensburg Germany Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other: Assignment and Irrevocable Power of Attorney Execution Date: 07/11/2006	
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): 11/191,145 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: MARC M. WEFERS Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Marc M. Wefers Reg. No. 56,842 Name of Person Signing	 Signature
	7/12/06 Date
Total number of pages including coversheet, attachments and document: 4	

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CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

7-12-06  CHERYL A. FORREST
 Date of Transmission Signature Typed Name of Person Signing Certificate

PATENT

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ASSIGNMENT AND IRREVOCABLE POWER OF ATTORNEY

For valuable consideration, I, Michel Zwanenburg, of 755 Novi Street, Northville, MI 48167, 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"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent in which I am a co-inventor, entitled LIGHTING APPARATUS AND METHOD FOR CONTROLLING BRIGHTNESS AND COLOR LOCATION THEREOF, filed July 27, 2005, and assigned U.S. Serial Number 11/191,145, 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 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 I agree for myself and my 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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Furthermore, I hereby irrevocably constitute and appoint the Assignee (acting through any officer) and its counsel, Fish & Richardson P.C. ("F&R") (acting through any F&R principal, including Marc M. Wefers and Alan D. Smith), acting individually, as my true and lawful attorney, with full power of substitution, in connection with all such action as may be necessary or appropriate to make the foregoing assignment and further the transaction contemplated thereby. The power is limited to actions relating to the inventions and improvements assigned under this document.

The rights and powers granted Assignee and F&R by this appointment include but are not limited to the right and power to: (i) 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; (ii) apply in all countries in my name or in Assignee's own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; apply for any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements; (iii) prosecute, defend, compromise, or take any action relating to the foregoing inventions and improvements; and (iv) sign, endorse and execute any and all applications, assignments, Preliminary Statements, agreements, and other lawful documents, on my behalf, documents, instruments to effectuate fully the assignment.

In connection with all powers of attorney described above, I hereby grant unto the Assignee and F&R full power to do any and all things necessary or appropriate in connection with the exercise of such powers as fully and effectually as the I might or could do, hereby ratifying all that said attorney shall do or cause to be done by virtue of the Assignment. No

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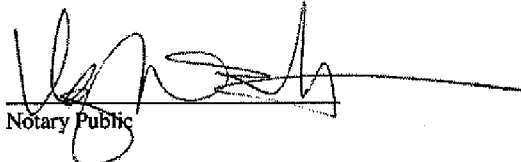
power of attorney set forth above shall be affected by any disability or incapacity suffered by myself and shall survive the same. All powers conferred upon the Assignee and F&R herein, being coupled with an interest, shall be irrevocable.

DATE: 7/11/2006
MICHEL ZWANENBURG

STATE OF MICHIGAN)
COUNTY OF WAYNE) SS.

On July 11, 2006, before me, the undersigned, a notary public for the State of Michigan, there personally appeared MICHEL ZWANENBURG personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.


Notary Public

WENDY W. GUTOWSKI
Notary Public, State of Michigan
County of Oakland
My Commission Expires Mar. 31, 2012
Acting in the County of Wayne