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U.S. PTO  
10/670917



Commissioner for Patents: Please record the attached original document(s) on copy(ies).

<b>1. Name of conveying party(ies):</b> Volker Haerle and Berthold Hahn Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies):</b> Osram Opto Semiconductors GmbH Wernerwerkstrasse 2 93049 Regensburg Germany Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: September 11, 2003			
<b>4. Application number(s) or patent number(s):</b> If this document is being filed with a new application, the execution date of the application is: September 11, 2003 A. Patent Application No(s): 10670917 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No B. Patent No(s):			
<b>5. Name/address of party to whom correspondence concerning document should be mailed:</b> David J. Goren Fish & Richardson P.C. 500 Arguello Street, Suite 500 Redwood City, California 94063		<b>6. Total number of applications/patents involved:</b> 1 <b>7. Total fee (37 CFR §3.41):</b> \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. <b>8. Deposit Account No.:</b> 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.	
<b>DO NOT USE THIS SPACE</b>			
<b>9. Statement and Signature:</b> <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>  Fredrik Mollborn Reg. No. 48,587 Name of Person Signing   Signature  24 September, 2003 Date  Total number of pages including coversheet, attachments and document: 3			

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**PATENT**  
**REEL: 014552 FRAME: 0642**

Attorney Docket No. 12435 355001/F2003.0102 US P

ASSIGNMENT

For valuable consideration, we, VOLKER HAERLE of Eichenstrasse 35  
93164 Laaber, GERMANY, BERTHOLD HAHN of Am Pfandhaus 2  
D-93155 Hemau, Germany, hereby assign to:

Osgam 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 DISPLAY DEVICE AND METHOD OF ITS MANUFACTURE, filed herewith, 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.

Attorney Docket No: 12406-055001/P2003.0102 US F

IN WITNESS WHEREOF, I hereto set my hand and seal at Regensburg  
this 11<sup>th</sup> day of September, 2003  
[Signature] L.S.  
VOLKER HAERLE

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_  
this 11<sup>th</sup> day of September, 2003  
[Signature] L.S.  
BERTHOLD HAHN

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[Signature]  
WITNESS

[Signature]  
WITNESS