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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Attorney Docket 5367-25

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Marcus RUHNAU Bert BRAUNE Patrick KROMOTIS Georg BOGNER 12-24-03

2. Name and address of receiving party(ies): Name: Osram Opto Semiconductors GmbH Internal Address: Street Address: Wernerwerkstr. 2 City: Regensburg State/Country: Germany Zip: 93049

Additional name(s) of conveying party(ies) attached? [] Yes [x] No

3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Additional name(s) & address(es) attached? [] Yes [x] No

Execution Date: Dec. 1, 2003; Nov. 26, 2003; Nov. 26, 2003; Nov. 26, 2003, respectively

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) SN.: 10/611,225

B. Patent No.(s)

Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Thomas Langer Internal Address: Cohen, Pontani, Lieberman & Pavane Street Address: 551 Fifth Avenue, 12th Floor City: New York State: New York Zip: 10176

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 [x] Enclosed [x] Authorized to be charged to deposit account 8. Deposit account number: 03-2412 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. 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.

Thomas Langer Name of Person Signing Reg. No. 27,264 Signature

December 18, 2003 Date

Total number of pages including cover sheet, attachments, and document: 7

Mail documents to be recorded with required cover sheet information to:

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Director of the US Patent and Trademark Office

PO Box 1450

Alexandria, VA 22313-1450

12/31/2003 DBYRNE 00000154 10611225 40.00 DP 01 FC:8021

PATENT REEL: 014837 FRAME: 0188

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned, **Marcus RUHNAU, Bert BRAUNE, Patrick KROMOTIS, Georg BOGNER** (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to **Osram Opto Semiconductors GmbH** (hereinafter referred to as "ASSIGNEE"), a corporation of Germany, having a place of business at Wernerwerkstr. 2, 93049 Regensburg, Germany, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent, which was filed on June 27, 2003 and has been assigned Serial No. 10/611,225 and which is entitled

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and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said invention; execute

all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: December 1 1st 2003
month/day/year

Marcus Ruhna
Marcus RUHNAU

Thomas Riudell
Witness

L. R. Keen
Witness

Date: _____
month/day/year

Bert BRAUNE

Witness

Witness

Date: _____
month/day/year

Patrick KROMOTIS

Witness

Witness

Date: _____
month/day/year

Georg BOGNER

Witness

Witness

Note: Signature of a witness is preferable, but not required.

[] Additional inventors on attached page

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Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

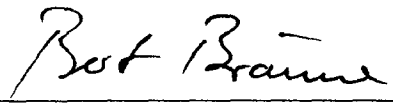
Date: _____
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Marcus RUHNAU

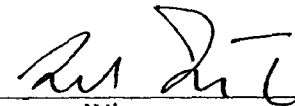
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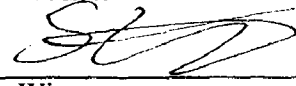
Date: 11/26/2003
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Bert BRAUNE

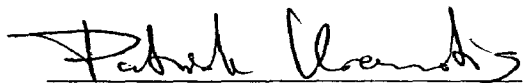



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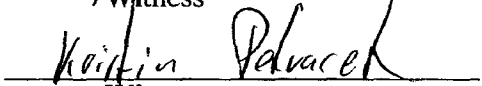


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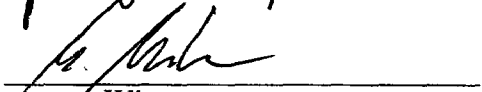

Patrick KROMOTIS

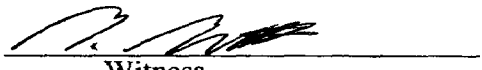

Witness


Witness

Date: November 16 2003
month/day/year


Georg BOGNER


Witness


Witness

Note: Signature of a witness is preferable, but not required.

[] Additional inventors on attached page