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Name of conveying Party(ies): Dirk LORENZEN Friedhelm DORSCH		Execution Date(s) (M / D / Y): April 24, 2001 April 24, 2001	
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ASSIGNMENT - PATENT APPLICATION**UNITED STATES OF AMERICA**

Whereas, I/We Dirk Lorenzen and Friedhelm Dorsch of Am Steiger 9, D-07743 Jena, Germany; and Hochwiesle 32, D-78658 Zimmern o.R., Germany, respectively (hereinafter "Assignor"), have invented certain new and useful improvements in MOUNTING SUBSTRATE AND HEAT SINK FOR HIGH-POWER DIODE LASER BARS which application for Letters Patent in the United States of America _X_ is about to be filed; has been filed.

And Whereas, JENOPTIK Aktiengesellschaft of Carl-Zeiss-Strasse 1, D-07743 Jena, Germany (herein "Assignee") is/are desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor:

Now, Therefore, be it known by all whom it may concern, that for good and valuable consideration (the sufficiency of which is hereby acknowledged) the Assignor has assigned, transferred and set over, and by these presents does assign, transfer and set over unto the said Assignee for the territory of the United States of America, the full and exclusive right, title and interest in and to the said invention, as fully set forth and described in the specification.

A. prepared and executed on even date(s) herewith

B. filed in the U.S. Patent and Trademark Office under Serial No. filed on including any division, continuation, substitute or renewal application thereof, said invention, application and Letters Patent to be held and enjoyed by the said Assignee to the full end of the term for which said Letters Patent is granted, as fully and entirely as the same would have been held by the Assignor had this assignment and transfer not been made.

Assignor hereby authorizes and requests the Commissioner of Patents and

Trademarks to issue any and all such Letters Patent for said invention to said Assignee.

In testimony whereof, the Assignor has hereunto set his hand this

24 day of April 2001.

WITNESS:

Manion Schlenzig
Manion SCHLENZIG

Christine von Below
Christine von Below

INVENTOR(S):

Dirk Lorenzen
Dirk LORENZEN

Friedhelm Dorsch
Friedhelm DORSCH