

Title (en)  
SEMICONDUCTOR LASER DEVICE

Title (de)  
HALBLEITERLASERVORRICHTUNG

Title (fr)  
DISPOSITIF LASER À SEMI-CONDUCTEUR

Publication  
**EP 2220731 A1 20100825 (DE)**

Application  
**EP 08864364 A 20081119**

Priority  
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Abstract (en)  
[origin: WO2009079968A1] The invention relates to a semiconductor laser device comprising a laser bar (2), a flexible conductor support (10), a support element (3) made of a metal or a metal alloy, and a heat sink (4) that is arranged between the support element (3) and the laser bar (2). The laser bar (2) is electrically contacted by means of the flexible conductor support (10). The support element (3) has a minimum thickness of 2 mm. The invention further relates to a method for producing said semiconductor laser device. In said method, the laser bar (2) is soldered to the heat sink (4) by means of a hard solder layer (30), while the heat sink (4) is soldered to the support element (3) by means of another hard solder layer (31) in a synchronous soldering process.

IPC 8 full level  
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