

Title (en)  
DIODE-PUMPED SOLID-STATE LASER WITH AN EXCHANGEABLE PUMPING MODULE

Title (de)  
DIODENGEPUMPTER FESTKÖRPERLASER MIT AUSTAUSCHBAREM PUMPMODUL

Title (fr)  
LASER A SOLIDE POMPE PAR DIODES AVEC MODULE DE POMPAGE REMPLACABLE

Publication  
**EP 0951746 A2 19991027 (DE)**

Application  
**EP 98965655 A 19981104**

Priority  
• DE 19749328 A 19971107  
• EP 9807031 W 19981104

Abstract (en)  
[origin: DE19749328A1] The invention relates to a solid-state laser diode pump (DFKL) comprising a pumping light source having a diode stack. The inventive pump also comprises a laser rod and a pumping activity, whereby the pumping light source accommodated in a separate housing can be exchanged as a pumping module with simple handles. As a result, the pumping light source is protected from electric discharge of the diodes, mechanical stress and from contamination. Given that it is possible to accommodate alternative pumping light sources of varying pumping capacities in the pumping module, the user can exchange the pumping module when the pumping module is worn as well as when additional power is required.

IPC 1-7  
**H01S 1/00**

IPC 8 full level  
**H01S 3/094** (2006.01); **H01S 3/0941** (2006.01); **H01S 3/02** (2006.01)

CPC (source: EP US)  
**H01S 3/0941** (2013.01 - EP US); **H01S 3/025** (2013.01 - EP US); **H01S 3/061** (2013.01 - EP US); **H01S 5/02208** (2013.01 - EP US)

Citation (search report)  
See references of WO 9925046A2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**DE 19749328 A1 19990520**; **DE 19749328 B4 20050623**; EP 0951746 A2 19991027; JP 2001507871 A 20010612; US 6266358 B1 20010724; WO 9925046 A2 19990520; WO 9925046 A3 19990701; WO 9925046 A8 19990812

DOCDB simple family (application)  
**DE 19749328 A 19971107**; EP 9807031 W 19981104; EP 98965655 A 19981104; JP 52542499 A 19981104; US 34120499 A 19990823