

Title (en)

DIODE LASERS TYPE OF DEVICES WITH GOOD COUPLING BETWEEN FIELD DISTRIBUTION AND GAIN

Title (de)

DIODENLASERVORRICHTUNGEN MIT GUTER KOPPLUNG ZWISCHEN FELDVERTEILUNG UND ZUWACHS

Title (fr)

DISPOSITIFS DE TYPE LASERS A DIODE PRESENTANT UN COUPLAGE SATISFAISANT ENTRE LA DISTRIBUTION DE CHAMP ET LE GAIN

Publication

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Application

EP 06735170 A 20060216

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- US 68688005 P 20050602

Abstract (en)

[origin: WO2006096299A2] Diode lasers type of devices with good coupling between field distribution and gain are disclosed. A single element has a flat field distribution that couples with the uniform current injection in a contact region. A multi element array having almost flat field distribution in each element and almost equal amplitude for the field intensity in all elements is provided. Injection by multiple contacts couples well with the overall field distribution. Also, the lasers are stable against filament formation and mode switching.

IPC 8 full level

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CPC (source: EP)

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