

Title (en)

SOLID LASER WITH A TRANSMISSION WAVELENGTH OF 0.5-0.65 MICROMETRES.

Title (de)

FESTKÖRPERLASER MIT EINER EMISSIONSWELLENLÄNGE VON 0,5-0,65 MICRON.

Title (fr)

LASER SOLIDE A LONGUEUR D'ONDE D'EMISSION 0,5-0,65 MICROMETRES.

Publication

EP 0433432 A1 19910626 (FR)

Application

EP 90910784 A 19900628

Priority

FR 8909109 A 19890706

Abstract (en)

[origin: WO9101055A1] A laser bar (1) of chromium-doped Mg₂SiO₄ (Forsterite) is pumped by a laser diode (2) transmitting between 0.75 and 0.8 micrometres, said laser diode being based on Ga_{1-x}Al_xAss, where x is between 0.1 and 0.18.

Abstract (fr)

L'invention concerne un laser solide à longueur d'onde d'émission comprise entre 0,5 et 0,65 µm. Un barreau laser (1) en Mg₂SiO₄ (Forstérite) dopé chrome est pompé par une diode laser (2) émettant entre 0,75 et 0,8 µm, cette diode laser étant à base de Ga_{1-x}Al_xAss avec x compris entre 0,1 et 0,18.

IPC 1-7

H01S 3/094; H01S 3/109

IPC 8 full level

B01D 59/34 (2006.01); **H01S 3/06** (2006.01); **H01S 3/094** (2006.01); **H01S 3/0941** (2006.01); **H01S 3/109** (2006.01); **H01S 3/16** (2006.01)

CPC (source: EP US)

H01S 3/0941 (2013.01 - EP US); **H01S 3/109** (2013.01 - EP US); **H01S 3/1623** (2013.01 - EP US)

Citation (search report)

See references of WO 9101055A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

WO 9101055 A1 19910124; CA 2035889 A1 19910107; EP 0433432 A1 19910626; FR 2649548 A1 19910111; FR 2649548 B1 19940826; JP H04500746 A 19920206; US 5173910 A 19921222

DOCDB simple family (application)

FR 9000481 W 19900628; CA 2035889 A 19900628; EP 90910784 A 19900628; FR 8909109 A 19890706; JP 50999890 A 19900628; US 65542991 A 19910227