

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 Mg<sub>2</sub>SiO<sub>4</sub> (Forsterite) is pumped by a laser diode (2) transmitting between 0.75 and 0.8 micrometres, said laser diode being based on Ga<sub>1-x</sub>Al<sub>x</sub>Ass, 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 Mg<sub>2</sub>SiO<sub>4</sub> (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<sub>1-x</sub>Al<sub>x</sub>Ass avec x compris entre 0,1 et 0,18.

IPC 1-7

**H01S 3/094; H01S 3/109**

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Citation (search report)

See references of WO 9101055A1

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