Title (en)

LASER ARRAYS FOR HIGH POWER FIBER AMPLIFIER PUMPS

Title (de)

LASERARRAYS FÜR HOCHLEISTUNGS-FASERVERSTÄRKERPUMPEN

Title (fr)

RESEAUX DE LASERS POUR POMPES D'AMPLIFICATEUR A FIBRE DE GRANDE PUISSANCE

Publication

EP 1417713 A2 20040512 (EN)

Application

EP 02798907 A 20020628

Priority

- US 0222091 W 20020628
- US 89618901 A 20010629
- US 89679701 A 20010629
- US 89716001 A 20010629
- US 89698301 A 20010629
- US 89715801 A 20010629
- US 30260001 P 20010629
- US 36548902 P 20020318
- US 36599602 P 20020319
- US 36603202 P 20020319
- US 36599802 P 20020319
- US 18036702 A 20020626

Abstract (en)

[origin: WO03026082A2] A pump laser capable of delivering at least a specified amount of output power is described. The pump laser has an array of N semiconductor lasers each having a first wavelength and an individual available output power (P) such that the product of N times p is equal to or greater than the specified amount of output power. The pump laser also has a coupler configured to couple light emitted by the individual lasers in the array to an individual optical fiber.

IPC 1-7

H01L 27/15; H01L 31/12; H01L 33/00

IPC 8 full level

G02B 27/09 (2006.01); **H01S 3/094** (2006.01); **H01S 5/02** (2006.01); **H01S 5/042** (2006.01); **H01S 5/0683** (2006.01); **H01S 5/183** (2006.01); **H01S 5/42** (2006.01); H01S 5/00 (2006.01); H01S 5/028 (2006.01); H01S 5/40 (2006.01)

CPC (source: EP US)

G02B 19/0014 (2013.01 - EP); **G02B 19/0057** (2013.01 - EP); **H01S 5/18305** (2013.01 - EP US); **H01S 5/423** (2013.01 - EP); H01L 27/14625 (2013.01 - EP); H01S 5/005 (2013.01 - EP US); H01S 5/0217 (2013.01 - EP); H01S 5/02251 (2021.01 - EP); H01S 5/02325 (2021.01 - EP); H01S 5/0234 (2021.01 - EP); H01S 5/0237 (2021.01 - EP); H01S 5/028 (2013.01 - EP); H01S 5/04257 (2019.07 - EP US); H01S 5/18341 (2013.01 - EP); H01S 5/4012 (2013.01 - EP); H01S 5/4087 (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 03026082 A2 20030327; **WO 03026082 A3 20031211**; AU 2002362350 A1 20030401; EP 1417713 A2 20040512; EP 1417713 A4 20050907

DOCDB simple family (application)

US 0222091 W 20020628; AU 2002362350 A 20020628; EP 02798907 A 20020628