

Title (en)
MULTI-MODE LASER DEVICE.

Title (de)
MULTIMODEN-LASERVORRICHTUNG.

Title (fr)
DISPOSITIF A LASER MULTI-MODE.

Publication
EP 0674815 A1 19951004 (EN)

Application
EP 94903848 A 19931215

Priority
• EP 9303631 W 19931215
• IT MI922879 A 19921218

Abstract (en)
[origin: WO9415385A1] Laser device of a lengthened and monolithic structure to be used in telecommunications of the type including a pumping laser (1) suitable to emit a radiation at a wavelength λ_1 , a resonating cavity (2) and an optical fibre rod (6). The resonating cavity comprises a first and second mirror (4 and 5) and a portion of active material (3) suitable to emit a radiation at the wavelength $\lambda_2 > \lambda_1$. The first mirror (4) is set up on the surface of the portion of active material (3) facing the pumping laser (1), and is highly transparent at the radiation λ_1 and highly reflecting at the radiation λ_2 . The second mirror (5) is set up on the surface of the portion of active material (3) facing the optical fibre rod (6) and highly reflecting at the radiation λ_2 .

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