

Title (en)

DEVICE FOR DEFLECTING LASER RADIATION AND LASER DEVICE HAVING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUR ABLENKUNG VON LASERSTRAHLUNG SOWIE LASERVORRICHTUNG MIT EINER DERARTIGEN VORRICHTUNG

Title (fr)

DISPOSITIF SERVANT À DÉVIER UN RAYONNEMENT LASER ET DISPOSITIF À LASER COMPORTANT UN TEL DISPOSITIF

Publication

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Application

**EP 12712609 A 20120315**

Priority

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Abstract (en)

[origin: WO2012130632A1] The invention relates to a device for deflecting laser radiation (8), comprising a waveguide (1) having an entry surface (6) and an exit surface (7) spaced apart from each other in the Z-direction by a distance (L), wherein the waveguide (1) comprises a greater extent in the X-direction than in the Y-direction, and at least two electrodes (4, 5) disposed on the waveguide (1), wherein a deflecting voltage (+V, -V) can be applied to the at least two electrodes (4, 5), so that the laser radiation is deflected electro-optically in the waveguide (1) with respect to the X-direction, wherein the distance (L) between the entry surface (6) and the exit surface (7) of the waveguide (1) in the Z-direction comprises a length such that the profile of the laser radiation after exiting the exit surface (7) corresponds to the profile of the laser radiation prior to entering the entry surface (6). The distance (L) thereby corresponds particularly to the Talbot length of the laser radiation.

IPC 8 full level

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CPC (source: EP KR US)

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