Title (en)

REFLECTIVE OPTICAL ELEMENT FOR DYNAMICALLY DEFLECTING A LASER BEAM AND METHOD FOR PRODUCING SAID REFLECTIVE OPTICAL ELEMENT

Title (de)

REFLEKTIERENDES OPTISCHES ELEMENT FÜR EINE DYNAMISCHE AUSLENKUNG EINES LASERSTRAHLS SOWIE EIN VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

ÉLÉMENT OPTIQUE RÉFLÉCHISSANT POUR UNE DÉVIATION DYNAMIQUE D'UN FAISCEAU LASER ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2948266 A1 20151202 (DE)

Application

EP 14700920 A 20140120

Priority

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- EP 2014051025 W 20140120

Abstract (en)

[origin: WO2014114591A1] The invention relates to reflective optical elements for dynamically deflecting a laser beam and a production method for said reflective elements. The aim of the invention is to provide reflective optical elements for dynamically deflecting laser beams that can be produced more economically and are flexible in the geometric design thereof such that the reflective optical elements can achieve improved characteristics in dynamic operation. For the reflective optical element according to the invention, a plate-shaped reflective element is connected to a surface of a main body in a bonded and planar manner by means of a solder connection.

IPC 8 full level

B23K 1/00 (2006.01); **G02B 5/08** (2006.01); **G02B 7/182** (2006.01); **G02B 26/10** (2006.01)

CPC (source: EP US)

B23K 1/0004 (2013.01 - EP US); **B23K 1/0008** (2013.01 - EP US); **B23K 1/0056** (2013.01 - EP US); **B23K 1/206** (2013.01 - EP US); **G02B 5/08** (2013.01 - EP US); **G02B 5/0808** (2013.01 - US); **G02B 7/1821** (2013.01 - EP US); **G02B 26/105** (2013.01 - EP US)

Citation (search report)

See references of WO 2014114591A1

Designated contracting state (EPC)

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DE 102013001417 A1 20140724; **DE 102013001417 B4 20160218**; EP 2948266 A1 20151202; US 2016011413 A1 20160114; US 9588338 B2 20170307; WO 2014114591 A1 20140731

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