

Title (en)

DEVICE FOR DEFLECTING AND/OR MODULATING LASER RADIATION, IN PARTICULAR A PLURALITY OF LASER BEAMS

Title (de)

VORRICHTUNG ZUR ABLENKUNG UND/ODER MODULATION EINER LASERSTRAHLUNG, INSBESONDERE EINER MEHRZAHL VON LASERSTRAHLEN

Title (fr)

DISPOSITIF POUR DÉVIER ET/OU MODULER UN RAYONNEMENT LASER, NOTAMMENT UNE PLURALITÉ DE FAISCEAUX LASER

Publication

EP 3555687 A1 20191023 (DE)

Application

EP 17822560 A 20171201

Priority

- DE 102016124408 A 20161214
- EP 2017081243 W 20171201

Abstract (en)

[origin: WO2018108583A1] The invention relates to a device for deflecting and/or modulating laser radiation, in particular a plurality of laser beams (2), comprising a plurality of deflecting means, which are designed, for example, as mirror elements (1) or transparent components, and movement means, which can move the plurality of deflecting means individually or in groups, wherein the movement means comprise a plurality of actuators, in particular piezoelectric actuators (5), which can perform a translatory motion.

IPC 8 full level

B23K 26/082 (2014.01); **B29C 64/268** (2017.01); **G02B 26/08** (2006.01); **G02B 27/09** (2006.01); **G02B 27/14** (2006.01); **H01S 5/40** (2006.01)

CPC (source: EP US)

B23K 26/082 (2015.10 - EP); **B23K 26/342** (2015.10 - EP); **B29C 64/268** (2017.07 - EP); **B33Y 30/00** (2014.12 - EP); **G02B 26/0808** (2013.01 - EP US); **G02B 26/0858** (2013.01 - EP US); **G02B 27/0961** (2013.01 - EP US); **G02B 27/143** (2013.01 - EP); **H01S 5/0071** (2013.01 - EP US); **H01S 5/02326** (2021.01 - EP); **H01S 5/4031** (2013.01 - EP); **H01S 5/4075** (2013.01 - US); **H01S 5/4012** (2013.01 - EP)

Citation (search report)

See references of WO 2018108583A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102016124408 A1 20180614; CN 110073270 A 20190730; CN 110073270 B 20211130; EP 3555687 A1 20191023; RU 2019121883 A 20210115; US 10921582 B2 20210216; US 2019339510 A1 20191107; WO 2018108583 A1 20180621

DOCDB simple family (application)

DE 102016124408 A 20161214; CN 201780076950 A 20171201; EP 17822560 A 20171201; EP 2017081243 W 20171201; RU 2019121883 A 20171201; US 201916439303 A 20190612