

Title (en)

DEVICE FOR INTRODUCING A LENS SYSTEM INTO THE BEAM PATH OF A LASER MACHINING HEAD, AND LASER MACHINING HEAD COMPRISING SAME

Title (de)

VORRICHTUNG ZUM EINFÜHREN EINER OPTIK IN DEN STRAHLENGANG EINES LASERBEARBEITUNGSKOPFES UND LASERBEARBEITUNGSKOPF MIT DERSELBEN

Title (fr)

DISPOSITIF POUR INTRODUIRE UNE OPTIQUE DANS LE TRAJET OPTIQUE D'UNE TÊTE D'USINAGE LASER ET TÊTE D'USINAGE LASER POURVUE DE CE DISPOSITIF

Publication

EP 3478443 A2 20190508 (DE)

Application

EP 17737530 A 20170704

Priority

- DE 102016112176 A 20160704
- EP 2017066553 W 20170704

Abstract (en)

[origin: WO2018007344A2] The invention relates to a device for selectively introducing a lens system (10) into a laser beam of a laser machining head, said device comprising: a lens system (10) and a movement unit (20) for moving the lens system (10); the movement unit (20) includes a driving element (210) and at least one coupling element (220) that couples the lens system (10) to the driving element (210).

IPC 8 full level

B23K 26/06 (2014.01); **B23K 26/046** (2014.01); **B23K 26/70** (2014.01); **G02B 7/02** (2006.01)

CPC (source: EP)

B23K 26/046 (2013.01); **B23K 26/0648** (2013.01); **B23K 26/702** (2015.10); **G02B 7/005** (2013.01); **G02B 27/0927** (2013.01)

Citation (search report)

See references of WO 2018007344A2

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 102016112176 A1 20180104; **DE 102016112176 B4 20210812**; CN 109562488 A 20190402; CN 109562488 B 20220114; EP 3478443 A2 20190508; WO 2018007344 A2 20180111; WO 2018007344 A3 20180301

DOCDB simple family (application)

DE 102016112176 A 20160704; CN 201780048686 A 20170704; EP 17737530 A 20170704; EP 2017066553 W 20170704