

Title (en)

METHOD AND DEVICE FOR LASER BEAM CUTTING

Title (de)

VERFAHREN UND VORRICHTUNG ZUM LASERSTRAHLSCHEIDEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COUPE AU LASER

Publication

EP 3122511 A1 20170201 (DE)

Application

EP 15707649 A 20150304

Priority

- DE 102014205387 A 20140324
- EP 2015054459 W 20150304

Abstract (en)

[origin: WO2015144399A1] The invention relates to a method for the laser beam cutting of a workpiece in which a laser beam (L) is directed at the workpiece (200) by means of a scanner-based remote laser beam welding device and a molten bath is produced at a machining point (220), a cutting gas stream (S) is directed at the machining point (220) for blowing molten material out of the machining point (220), and the machining point (220) and the workpiece (200) make a relative movement along a cutting contour. The invention also relates to a device for laser beam cutting.

IPC 8 full level

B23K 26/08 (2014.01); **B23K 26/14** (2014.01); **B25J 19/00** (2006.01)

CPC (source: EP)

B23K 26/082 (2015.10); **B23K 26/0884** (2013.01); **B23K 26/14** (2013.01); **B23K 26/38** (2013.01); **B25J 19/0037** (2013.01); **B25J 19/022** (2013.01)

Citation (search report)

See references of WO 2015144399A1

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 102014205387 A1 20150924; EP 3122511 A1 20170201; WO 2015144399 A1 20151001

DOCDB simple family (application)

DE 102014205387 A 20140324; EP 15707649 A 20150304; EP 2015054459 W 20150304