

Title (en)

METHOD AND DEVICE FOR GENERATING A CAMERA IMAGE OF A WELDING SEAM FOR AN IMAGE PROCESSING-SUPPORTED LASER TRANSMISSION WELDING METHOD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG EINES KAMERABILDES EINER SCHWEIßNAHT ZUM BILDVERARBEITUNGSGESTÜTZTEM LASERTRANSMISSIONSSCHWEIßEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE GÉNÉRATION D'UNE IMAGE DE CAMÉRA D'UN CORDON DE SOUDURE POUR UN PROCÉDÉ DE SOUDAGE PAR TRANSMISSION LASER ASSISTÉ PAR TRAITEMENT D'IMAGE

Publication

**EP 4126438 A1 20230208 (DE)**

Application

**EP 21716260 A 20210322**

Priority

- DE 102020108289 A 20200325
- DE 2021100285 W 20210322

Abstract (en)

[origin: WO2021190705A1] The invention relates to a method for generating a camera image that is used to derive a welding contour along which an assembly (1) is to be welded in an image processing-supported laser transmission welding method. The method is characterized in that the transparent component (2) of the assembly (1) is illuminated from a side facing away from the camera (5). The invention also relates to a device which is suitable for carrying out the method, an illuminating device thereof having at least one light source (6) that is arranged in a workpiece holder (4), in which the assembly (1) to be welded is received in a receiving region (4.1), and is oriented towards the receiving region (4.1).

IPC 8 full level

**B23K 26/03** (2006.01); **B23K 26/32** (2006.01); **B23K 31/12** (2006.01); **B29C 65/16** (2006.01)

CPC (source: EP US)

**B23K 26/032** (2013.01 - EP US); **B23K 26/24** (2013.01 - US); **B23K 26/32** (2013.01 - EP); **B23K 31/125** (2013.01 - EP US); **B29C 65/1635** (2013.01 - EP US); **B29C 65/8253** (2013.01 - EP); **B29C 66/112** (2013.01 - EP); **B29C 66/114** (2013.01 - EP); **B29C 66/131** (2013.01 - EP); **B29C 66/542** (2013.01 - EP); **B29C 66/73365** (2013.01 - EP)

Citation (search report)

See references of WO 2021190705A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2021190705 A1 20210930**; CN 115379920 A 20221122; EP 4126438 A1 20230208; US 2023142104 A1 20230511

DOCDB simple family (application)

**DE 2021100285 W 20210322**; CN 202180023319 A 20210322; EP 21716260 A 20210322; US 202117906957 A 20210322