

Title (en)

LASER METHOD WITH DIFFERENT LASER BEAM AREAS WITHIN A BEAM

Title (de)

LASERVERFAHREN MIT UNTERSCHIEDLICHEM LASERSTRAHLBEREICH INNERHALB EINES STRAHLS

Title (fr)

PROCÉDÉ LASER À DIFFÉRENTES ZONES DE FAISCEAU LASER AU SEIN D'UN FAISCEAU

Publication

**EP 2948268 A1 20151202 (DE)**

Application

**EP 14705746 A 20140218**

Priority

- EP 13158179 A 20130307
- EP 2014053072 W 20140218
- EP 14705746 A 20140218

Abstract (en)

[origin: EP2774712A1] Laser machining of a substrate (20), preferably welding a substrate, comprises melting a crack or applying a material, and indicating the use of a laser beam (1) in two different, mutually asymmetric beam portions.

IPC 8 full level

**B23K 26/06** (2014.01); **B23K 26/067** (2006.01)

CPC (source: EP US)

**B23K 26/0006** (2013.01 - EP US); **B23K 26/06** (2013.01 - US); **B23K 26/0648** (2013.01 - EP US); **B23K 26/0676** (2013.01 - EP US); **B23K 26/34** (2013.01 - EP); **B23K 26/342** (2015.10 - US); **B23K 26/354** (2015.10 - EP US)

Citation (search report)

See references of WO 2014135362A1

Citation (examination)

- US 7173212 B1 20070206 - SEMAK VLADIMIR V [US]
- US 2010206855 A1 20100819 - MOKADEM SELIM [DE]
- US 2005100703 A1 20050512 - TERADA MASAKI [JP], et al

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)

**EP 2774712 A1 20140910**; EP 2948268 A1 20151202; US 10144092 B2 20181204; US 2016016263 A1 20160121; WO 2014135362 A1 20140912

DOCDB simple family (application)

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