

Title (en)

Method for fixing a single-crystal workpiece to be treated on a processing device

Title (de)

Verfahren zur Befestigung eines auf einer Verarbeitungsvorrichtung zu behandelnden Einkristallwerkstücks

Title (fr)

Procédé de fixation d'une pièce monocristalline à traiter sur un dispositif de traitement

Publication

**EP 2520401 A1 20121107 (EN)**

Application

**EP 11165009 A 20110505**

Priority

EP 11165009 A 20110505

Abstract (en)

The invention relates to a method for fixing a single-crystal workpiece (1) on a holding means (2), the holding means (2) comprising a mounting surface (4) for mounting the holding means (2) on a processing device (6); wherein the method comprising the steps of: - measuring the crystal orientation of said single-crystal workpiece (1) with respect to a workpiece surface (5), - forming, in dependence of the crystal orientation of said single-crystal workpiece (1) with respect to said workpiece surface (5), on the holding means (2) a holding surface (3) for abuttingly receiving said workpiece surface (5), thereby defining the crystal orientation of the single-crystal workpiece (1) with respect to the mounting surface (4) of the holding means (2), and - gluing said workpiece surface (5) to said holding surface (3).

IPC 8 full level

**B28D 5/00** (2006.01); **B28D 5/04** (2006.01)

CPC (source: EP)

**B28D 5/0082** (2013.01); **B28D 5/045** (2013.01)

Citation (search report)

- [X1] JP H10337695 A 19981222 - SHINETSU HANDOTAI KK
- [X1] US 2006032430 A1 20060216 - BRADACZEK HANS [DE], et al
- [I] DE 2752925 A1 19790531 - PHILIPS PATENTVERWALTUNG
- [A] WO 2009028756 A1 20090305 - DOW BEAM CO LTD [KR], et al
- [A] US 5839424 A 19981124 - HAUSER CHARLES [CH]
- [A] US 5720271 A 19980224 - HAUSER CHARLES [CH]
- [A] EP 1568457 A1 20050831 - FREIBERGER COMPOUND MAT GMBH [DE]
- [A] US 4819387 A 19890411 - HARBARGER JOSEPHINE A [US]
- [A] US 2004084042 A1 20040506 - MCAULAY SHAWN V [US], et al
- [A] JP 2007118354 A 20070517 - KYOCERA CORP

Cited by

CN107096634A; CN107639755A; US10406634B2; US10052848B2; US10324496B2; US10386889B2

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 2520401 A1 20121107**; CN 103501975 A 20140108; EP 2704886 A1 20140312; WO 2012150517 A1 20121108

DOCDB simple family (application)

**EP 11165009 A 20110505**; CN 201280021612 A 20120417; EP 12720636 A 20120417; IB 2012051927 W 20120417