

Title (en)

DEVICE AND METHOD FOR CLEANING FRACTURED SURFACES OF FRACTURED WORKPIECES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BRUCHFLÄCHENREINIGUNG VON BRUCHGETRENNTEN WERKSTÜCKEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE NETTOYAGE DE SURFACES DE RUPTURE DE PIÈCES SÉPARÉES PAR RUPTURE

Publication

EP 3250329 A1 20171206 (DE)

Application

EP 16701939 A 20160128

Priority

- DE 102015101350 A 20150129
- DE 102015112821 A 20150804
- EP 2016051821 W 20160128

Abstract (en)

[origin: WO2016120393A1] A device and a method for cleaning fractured surfaces of fractured or cracked workpieces (6, 8), for example a bearing seat of connecting rods, crankshaft housings or Cardan shafts, are proposed. In this case, the two parts (6, 8) which have the fractured surfaces (10) are positioned such that the respectively associated fractured surfaces (10) are in contact or are spaced apart from one another. Then, the two parts are set into vibration with respect to one another in a direction along the fractured surfaces (10), wherein a ram (26, 38) is directed circumferentially against the first part (6) and/or the second part (8), wherein the impulses or impacts are/is introducible circumferentially into the first part (6) and/or the second part (8).

IPC 8 full level

B08B 1/00 (2006.01); **B08B 5/02** (2006.01); **B08B 7/02** (2006.01); **B08B 7/04** (2006.01); **B23D 31/00** (2006.01)

CPC (source: CN EP)

B08B 5/02 (2013.01 - CN EP); **B08B 7/02** (2013.01 - CN EP); **B23D 31/003** (2013.01 - CN EP); **B08B 15/04** (2013.01 - CN EP); **F16C 9/045** (2013.01 - EP); **F16C 2220/80** (2013.01 - EP)

Citation (search report)

See references of WO 2016120393A1

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)

WO 2016120393 A1 20160804; CN 107206437 A 20170926; DE 102015112821 A1 20160804; EP 3250329 A1 20171206

DOCDB simple family (application)

EP 2016051821 W 20160128; CN 201680007961 A 20160128; DE 102015112821 A 20150804; EP 16701939 A 20160128