

Title (en)  
COMMINUTION DEVICE

Title (de)  
ZERKLEINERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE BROyage

Publication  
**EP 2613884 B1 20140625 (DE)**

Application  
**EP 11757832 A 20110909**

Priority  
• DE 202010012495 U 20100913  
• DE 202010012373 U 20100909  
• EP 2011065691 W 20110909

Abstract (en)  
[origin: WO2012032175A2] The invention relates to a comminution device, particularly comprising an adjusting mechanism which has a hydraulic cylinder (165, 167) that is coupled between the first and the second cutting element and is in hydraulic connection to a hydraulic, pneumatically closed volume (220, 230). A first part (220a) of said volume is filled with a hydraulic fluid, a second part (220b) thereof is filled with air and the walls thereof are at least partially transparent in order to be able to read out the hydraulic fluid level along a scale (222) which displays a wear state of the first and second cutting element. The invention further relates to a comminution device in which a lubricant-filled cavity (380) is formed between a first surface (32; 453) and a second surface (342; 463), the volume of said cavity being reduced by an adjustment movement of the second cutting element and said cavity being in fluidic connection with the form-fitting connection for supplying lubricant to said form-fitting connection.

IPC 8 full level  
**B02C 18/00** (2006.01); **B02C 18/16** (2006.01); **B02C 18/18** (2006.01)

CPC (source: EP KR US)  
**B02C 18/0092** (2013.01 - EP US); **B02C 18/062** (2013.01 - US); **B02C 18/16** (2013.01 - EP KR US); **B02C 18/18** (2013.01 - EP US); **B02C 23/18** (2013.01 - KR); **B02C 25/00** (2013.01 - KR); **D21D 1/30** (2013.01 - US); **D21D 1/306** (2013.01 - US); **B02C 2018/164** (2013.01 - US); **B02C 2210/01** (2013.01 - EP US)

Cited by  
DE202016105242U1; US11203020B2; WO2018054982A1; US11253864B2; DE202022103106U1; EP4286056A1

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

DOCDB simple family (publication)  
**WO 2012032175 A2 20120315; WO 2012032175 A3 20120628**; AU 2011301211 A1 20130411; AU 2011301211 B2 20150611; BR 112013005551 A2 20160503; BR 112013005551 B1 20201006; CN 103260764 A 20130821; CN 103260764 B 20150610; DK 2613884 T3 20140811; EP 2613884 A2 20130717; EP 2613884 B1 20140625; ES 2493165 T3 20140911; HK 1182354 A1 20131129; JP 2013537103 A 20130930; JP 5909491 B2 20160426; KR 101960552 B1 20190320; KR 20130118865 A 20131030; PL 2613884 T3 20141128; US 2013228640 A1 20130905; US 9073056 B2 20150707

DOCDB simple family (application)  
**EP 2011065691 W 20110909**; AU 2011301211 A 20110909; BR 112013005551 A 20110909; CN 201180043217 A 20110909; DK 11757832 T 20110909; EP 11757832 A 20110909; ES 11757832 T 20110909; HK 13109715 A 20130820; JP 2013527627 A 20110909; KR 20137008924 A 20110909; PL 11757832 T 20110909; US 201113821260 A 20110909