

Title (en)
COMMINUTING DEVICE

Title (de)
ZERKLEINERUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE FRAGMENTATION

Publication
EP 3074135 A1 20161005 (DE)

Application
EP 15826134 A 20151123

Priority
• DE 102015102326 A 20150218
• DE 2015100497 W 20151123

Abstract (en)
[origin: WO2016131433A1] The invention relates to a device (10; 50) for mechanically comminuting materials, comprising a vertically extending comminuting chamber (14) having an upwardly extending supply side (15) and a downwardly extending discharge side. Said comminuting chamber is enclosed by an in particular circular cylindrical and/or conical downwardly expanded comminuting chamber wall (12), and in which at least one rotor (16, 18) rotating about a vertical rotor axis (R) is arranged, which is provided with striking tools (38) that extend at least largely radially into the comminuting chamber, at least during operation. The rotor (16, 18) is held in a stationary manner with respect to a support base (20) of the device, and the comminuting chamber wall is supported on the support base. According to the invention, the comminuting chamber wall is held in place by way of a lifting device in the direction of the rotor axis (R) in a height adjustable manner relative to the support base (20). Said lifting device (36) has a working position, in which the lower edge of the comminuting chamber wall (12) is arranged close to the support base (20) or to a part connected thereto, and a maintenance position, in which the lower edge (32) of the comminuting chamber wall (12) is vertically raised above at least one of the striking tools (22, 24). The invention allows easy maintenance and an uncomplicated exchange of the striking tools of the comminuting device.

IPC 8 full level
B02C 13/14 (2006.01); **B02C 13/282** (2006.01)

CPC (source: CN EP RU US)
B02C 13/14 (2013.01 - CN EP RU US); **B02C 13/18** (2013.01 - RU US); **B02C 13/282** (2013.01 - CN EP US); **B02C 13/286** (2013.01 - RU); **B02C 13/288** (2013.01 - US); **B02C 13/31** (2013.01 - RU US); **B02C 2013/28609** (2013.01 - US); **B02C 2013/28672** (2013.01 - US)

Citation (search report)
See references of WO 2016131433A1

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 2016131433 A1 20160825; AU 2015383637 A1 20170525; AU 2015383637 B2 20180222; BR 112017011751 A2 20180227; BR 112017011751 B1 20210608; CA 2966255 A1 20160825; CA 2966255 C 20180925; CL 2017001246 A1 20171124; CN 107249747 A 20171013; CN 107249747 B 20190423; EP 3074135 A1 20161005; EP 3074135 B1 20210623; ES 2881864 T3 20211130; JP 2018505054 A 20180222; JP 6370499 B2 20180808; MX 2017006681 A 20171004; PE 20171115 A1 20170807; RU 2654255 C1 20180517; US 11278907 B2 20220322; US 2018339297 A1 20181129

DOCDB simple family (application)
DE 2015100497 W 20151123; AU 2015383637 A 20151123; BR 112017011751 A 20151123; CA 2966255 A 20151123; CL 2017001246 A 20170516; CN 201580076047 A 20151123; EP 15826134 A 20151123; ES 15826134 T 20151123; JP 2017544008 A 20151123; MX 2017006681 A 20151123; PE 2017000896 A 20151123; RU 2017129511 A 20151123; US 201515528577 A 20151123