

Title (en)  
COMMINUTING APPARATUS

Title (de)  
ZERKLEINERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE BROYAGE

Publication  
**EP 3271076 A1 20180124 (DE)**

Application  
**EP 16704429 A 20160211**

Priority  
• DE 102015104078 A 20150318  
• EP 2016052939 W 20160211

Abstract (en)  
[origin: WO2016146306A1] The invention relates to a comminuting device comprising a cylinder casing which surrounds a comminuting chamber, in which several rotors (30, 32, 34) can be operated independently from each other with individual drives, said rotors being driven by concentric shafts (14, 16, 18) which are arranged concentrically to the central axis (z) of the comminuting chamber, said concentric shafts having a central shaft (14) and at least one outer hollow shaft (16, 18) surrounding said central shaft. Said device is characterized in that at least one intermediate chamber (44, 52) is formed between the shafts, said intermediate chamber being formed at least partially as a gas supply chamber for connecting to a gas supply (40), said gas supply chamber being connected to at least one first bearing (26, 28) arranged between the shafts.

IPC 8 full level  
**B02C 13/26** (2006.01); **B02C 13/20** (2006.01)

CPC (source: EP RU US)  
**B02C 13/205** (2013.01 - EP US); **B02C 13/26** (2013.01 - EP RU US)

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 2016146306 A1 20160922**; AU 2016232614 A1 20171102; AU 2016232614 B2 20190207; BR 112017019974 A2 20180619; BR 112017019974 B1 20210629; CA 2982538 A1 20160922; CA 2982538 C 20190226; CL 2017002365 A1 20180309; CN 107708867 A 20180216; CN 107708867 B 20201016; DE 102015104078 A1 20160922; EP 3271076 A1 20180124; EP 3271076 B1 20190612; ES 2735436 T3 20191218; JP 2018508357 A 20180329; JP 6563026 B2 20190821; MX 2017011961 A 20180607; PL 3271076 T3 20191031; PT 3271076 T 20190723; RU 2667753 C1 20180924; US 10639639 B2 20200505; US 2018243747 A1 20180830; WO 2016146307 A1 20160922

DOCDB simple family (application)  
**EP 2016052907 W 20160211**; AU 2016232614 A 20160211; BR 112017019974 A 20160211; CA 2982538 A 20160211; CL 2017002365 A 20170920; CN 201680028886 A 20160211; DE 102015104078 A 20150318; EP 16704429 A 20160211; EP 2016052939 W 20160211; ES 16704429 T 20160211; JP 2017549181 A 20160211; MX 2017011961 A 20160211; PL 16704429 T 20160211; PT 16704429 T 20160211; RU 2017134713 A 20160211; US 201615559110 A 20160211