

Title (en)

CONE CRUSHING MACHINE AND CRUSHING METHOD USING SUCH A MACHINE

Title (de)

KEGELZERKLEINERUNGSMASCHINE UND ZERKLEINERUNGSVERFAHREN MIT VERWENDUNG SOLCH EINER MASCHINE

Title (fr)

MACHINE DE BROYAGE À CÔNE ET PROCÉDÉ DE BROYAGE METTANT EN OEUVRE UNE TELLE MACHINE

Publication

**EP 3585518 B1 20210217 (FR)**

Application

**EP 18709673 A 20180220**

Priority

- FR 1751554 A 20170227
- FR 2018050391 W 20180220

Abstract (en)

[origin: WO2018154222A1] A crushing machine (1) comprising: a frame (2), a vessel (3), a cone (5) positioned inside the vessel (3), the machine (1) further comprising a device (7) for vibrating the vessel (3) relative to the frame (2); the machine (1) being characterised in that the device (7) for vibrating the vessel (3) comprises at least two vibrators (8a, 8b, 8c, 8d) mounted on the chassis (4), each vibrator (8a, 8b, 8c, 8d) being rotated about a longitudinal axis of the chassis by a motor (10), each motor (10) driving the vibrator with which it is associated separately from the others.

IPC 8 full level

**B02C 2/04** (2006.01); **B02C 2/00** (2006.01)

CPC (source: EP KR RU US)

**B02C 2/04** (2013.01 - EP RU); **B02C 2/045** (2013.01 - EP KR US); **B02C 2002/002** (2013.01 - EP KR 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

DOCDB simple family (publication)

**WO 2018154222 A1 20180830**; AU 2018225355 A1 20190822; AU 2018225355 B2 20230309; BR 112019016260 A2 20200407; CA 3052731 A1 20180830; CA 3052731 C 20240326; CN 110446554 A 20191112; CN 110446554 B 20211008; CN 208679263 U 20190402; DK 3585518 T3 20210510; EP 3585518 A1 20200101; EP 3585518 B1 20210217; FR 3063234 A1 20180831; FR 3063234 B1 20190412; JP 2020508218 A 20200319; JP 6976355 B2 20211208; KR 102470398 B1 20221124; KR 20190116317 A 20191014; RU 2741635 C1 20210128; US 11369969 B2 20220628; US 2020023372 A1 20200123; ZA 201904890 B 20201223

DOCDB simple family (application)

**FR 2018050391 W 20180220**; AU 2018225355 A 20180220; BR 112019016260 A 20180220; CA 3052731 A 20180220; CN 201721193898 U 20170918; CN 201880013800 A 20180220; DK 18709673 T 20180220; EP 18709673 A 20180220; FR 1751554 A 20170227; JP 2019567401 A 20180220; KR 20197024045 A 20180220; RU 2019130159 A 20180220; US 201816489007 A 20180220; ZA 201904890 A 20190725