

Title (en)
DEVICE FOR SHEARING OR SHREDDING AND GRINDING MATERIAL

Title (de)
VORRICHTUNG ZUM SCHNEIDEN ODER ZERREISSEN UND ZERKLEINERN

Title (fr)
DISPOSITIF COMPACT DE CISAILLAGE OU DECHIQUETAGE ET DE BROYAGE DE PRODUITS A BROIER

Publication
EP 2470303 B1 20150128 (FR)

Application
EP 10762973 A 20100806

Priority
• FR 0955531 A 20090806
• FR 2010051667 W 20100806

Abstract (en)
[origin: WO2011015793A1] The present invention relates to a device for shearing or shredding and crushing materials to be crushed, essentially consisting of a shearing or shredding means (2) and a crusher (3) having a rotor (4) arranged below said shearing or shredding means (2) and communicating with the latter via a transverse opening (5). The device is characterised in that it is compact and in that the longitudinal axis of the crusher (3) having the rotor (4) is perpendicular to the longitudinal axis of the shearing or shredding means (2), with which the crusher (3) having the rotor (4) communicates directly via the transverse opening (5) thereof, the effective diameter of the rotor (4) of the crusher (3) being substantially equal to the length of the shearing or shredding means (2), and in that the crusher (3) having the rotor (4) is a crusher with a horizontal longitudinal axis or a crusher with a longitudinal axis that is angled relative to the horizontal. The invention can be used specifically in the field of treating materials of any origin, in particular by first shearing or shredding, and then by crushing.

IPC 8 full level
B02C 13/02 (2006.01); **B02C 13/284** (2006.01); **B02C 13/286** (2006.01); **B02C 18/14** (2006.01)

CPC (source: EP)
B02C 13/02 (2013.01); **B02C 13/284** (2013.01); **B02C 13/286** (2013.01); **B02C 18/142** (2013.01); **B02C 2013/28609** (2013.01); **B02C 2013/28627** (2013.01); **B02C 2013/28672** (2013.01); **B02C 2018/147** (2013.01)

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011015793 A1 20110210; EP 2470303 A1 20120704; EP 2470303 B1 20150128; ES 2536777 T3 20150528; FR 2948885 A1 20110211; FR 2948885 B1 20140926

DOCDB simple family (application)
FR 2010051667 W 20100806; EP 10762973 A 20100806; ES 10762973 T 20100806; FR 0955531 A 20090806