

Title (en)
Device for disintegrating materials

Title (de)
Vorrichtung zum Zerkleinern von Material

Title (fr)
Dispositif de désintégration de matière

Publication
EP 1749577 A1 20070207 (DE)

Application
EP 06015965 A 20060801

Priority
DE 202005012137 U 20050802

Abstract (en)
The device for the breaking down of material has at least one grinding rotor (2) which has cutting discs (4) installed on a driven shaft (3) and axially pressed together by a tensioning device (11). The tensioning device has a ring supported on the driven rotor and provided with several tensioning elements which have elastic contact heads pressing in the axial direction against the grinding rotor. A contact head is provided for each tensioning element and comprises a packet of disc springs.

IPC 8 full level
B02C 18/14 (2006.01); **B02C 18/16** (2006.01); **B02C 18/18** (2006.01)

CPC (source: EP)
B02C 18/146 (2013.01); **B02C 18/16** (2013.01); **B02C 18/182** (2013.01)

Citation (applicant)
US 5360283 A 19941101 - BROWNING DAVID M [US], et al

Citation (search report)
• [XA] US 5360283 A 19941101 - BROWNING DAVID M [US], et al
• [A] US 4316678 A 19820223 - F GEPPERT ERWIN
• [A] US 4136989 A 19790130 - BIANCO ROMOLO P
• [PX] DE 202005012137 U1 20051013 - UNTERWURZACHER PATENTVERWERTUN [AT]

Cited by
US2021033140A1; US11708849B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
DE 202005012137 U1 20051013; EP 1749577 A1 20070207

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