

Title (en)

Piston for pressing out fillers

Title (de)

Kolben zum Auspressen von Füllsubstanzen

Title (fr)

Piston destiné à compresser des substances de remplissage

Publication

EP 2243558 A3 20121226 (DE)

Application

EP 10003966 A 20100415

Priority

DE 202009005745 U 20090420

Abstract (en)

[origin: EP2243558A2] The piston (30) has a piston peripheral wall (32) and a front wall (36) that comprises a shape curved in pressing direction in unloaded condition, where the piston is made of elastic material. The front wall is deformable in condition of smaller curvature under pressure loading, and the front wall is radially expanded in transition region (37) to the piston peripheral wall. A rotating section (50) is formed in the piston peripheral wall with smaller wall thickness. A sealing edge (46) is formed from the front wall to the piston peripheral wall in the transition region.

IPC 8 full level

B05C 17/00 (2006.01); **B05C 17/005** (2006.01); **B65D 83/00** (2006.01); **B05C 17/01** (2006.01); **B05C 17/015** (2006.01)

CPC (source: EP)

B05C 17/00576 (2013.01); **B05C 17/01** (2013.01); **B05C 17/015** (2013.01)

Citation (search report)

- [XA] EP 0153669 A2 19850904 - STEIGER ARTHUR
- [XA] DE 2034047 B1 19710826 - FISCHBACH ALFRED KG KUNSTSTOFF [DE]
- [XAI] DE 2629682 A1 19780112 - SCHMITH NIELS BAY

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

DE 202009005745 U1 20090702; EP 2243558 A2 20101027; EP 2243558 A3 20121226; EP 2243558 B1 20140604; PL 2243558 T3 20141128

DOCDB simple family (application)

DE 202009005745 U 20090420; EP 10003966 A 20100415; PL 10003966 T 20100415