

Title (en)

Closure and expression plunger for cartridges for plastic masses

Title (de)

Verschluss- und Ausdrückkolben für Kartuschen für plastische Massen

Title (fr)

Pistons de fermeture et d'impression pour cartouches pour masses plastiques

Publication

EP 2520375 A3 20121205 (DE)

Application

EP 12001294 A 20120228

Priority

DE 202011100254 U 20110504

Abstract (en)

[origin: EP2520375A2] The piston has a transition region (4) formed between a piston plate (1) and a cylindrical apron (2) with V-shaped cross-section. A sealing lip (5) is formed at circumference, and diagonally points in forward and outward directions. The sealing lip comprises small radial ribs (6) distributed over the circumference at inner side that is turned toward a piston axis. The ribs are arranged over the sealing lip in the forward direction and form a radially outward pointing and diagonally backward running ramp surface (7) that projects into a forward edge surface (8) of the sealing lip.

IPC 8 full level

B05C 17/005 (2006.01)

CPC (source: EP)

B05C 17/00576 (2013.01); **B05C 17/00579** (2013.01)

Citation (search report)

- [A] DE 20319464 U1 20040422 - TOPIC ANTON [DE]
- [A] WO 2005050068 A1 20050602 - MERITool LLC [US], et al
- [A] EP 0409750 A1 19910123 - CEBAL [FR]

Cited by

EP4070891A1; DE102021108642A1; US11835139B2

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)

DE 202011100254 U1 20110822; EP 2520375 A2 20121107; EP 2520375 A3 20121205; EP 2520375 B1 20140730; PL 2520375 T3 20141231

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