

Title (en)  
Ram

Title (de)  
Stößel

Title (fr)  
Pilon

Publication  
**EP 2568171 B1 20190612 (DE)**

Application  
**EP 12173506 A 20120626**

Priority  
DE 102011082434 A 20110909

Abstract (en)  
[origin: EP2568171A2] The plunger (1) has a cylindrical housing (2) axially protruded below a roller (4) by an arch piece (6). A lower side (8) of the piece is turned towards an output-sided forehead (7) of the housing. An upper side (9) of the piece includes a shell-like form (10) in which a movable shell segment (12) separated from a ring is placed. The roller is supported on an inner rail (13). The segment runs in the shell-like form. An axial guiding column (14) is arranged at an inner sheath of the housing. The segment is arranged at a separation forehead over a corner recess in a turnout-protected manner. The shell segment is formed as a half shell, a one-third shell or a quarter shell. The housing is formed as steel sheet- and/or extrusion parts.

IPC 8 full level  
**F04B 1/04** (2006.01); **F04B 9/04** (2006.01)

CPC (source: EP)  
**F04B 1/0404** (2013.01); **F04B 1/0408** (2013.01); **F04B 1/0426** (2013.01); **F04B 1/0439** (2013.01); **F04B 9/042** (2013.01); **F04B 9/045** (2013.01)

Cited by  
CN106988817A; CN114320729A

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)  
**EP 2568171 A2 20130313; EP 2568171 A3 20160720; EP 2568171 B1 20190612**; DE 102011082434 A1 20130314; PL 2568171 T3 20191129

DOCDB simple family (application)  
**EP 12173506 A 20120626**; DE 102011082434 A 20110909; PL 12173506 T 20120626