

Title (en)

Piston pump, particularly high pressure piston pump

Title (de)

Kolbenpumpe, insbesondere Hochdruck-Kolbenpumpe

Title (fr)

Pompe à piston, notamment pompe haute pression à piston

Publication

EP 1519033 A2 20050330 (DE)

Application

EP 04104464 A 20040915

Priority

DE 10344459 A 20030925

Abstract (en)

A piston pump (18) especially for high pressure, comprises a housing (28) and a piston (40) with a piston spring (72) on a spring plate (72) with the plate axially supporting the piston. The plate supports a support disc (68) that engages with a ring slot (66) in the cover surface of the piston.

Abstract (de)

Es wird eine Kolbenpumpe (18), insbesondere eine Hochdruckkraftstoffpumpe, vorgeschlagen, bei der sich eine Kolbenfeder (72) über einen Federteller (69) und eine Stützscheibe (68) in axialer Richtung an einem Kolben (40) abstützt. <IMAGE>

IPC 1-7

F02M 59/06; **F02M 59/44**; **F02M 63/02**

IPC 8 full level

F02M 59/10 (2006.01); **F02M 59/44** (2006.01); **F02M 63/02** (2006.01); **F04B 1/04** (2006.01)

CPC (source: EP)

F02M 59/102 (2013.01); **F02M 59/44** (2013.01); **F02M 63/0225** (2013.01); **F04B 1/0426** (2013.01)

Cited by

US9410519B2; WO2010050569A1; CN106014736A; KR20170040760A; US2011253109A1; CN102197212A; EP2341237A4; ITMI20120270A1; CN105121831A; JP2016515681A; ITMI20110976A1; EP3153702A1; KR20170040758A; DE102009027689A1; DE102009027937A1; DE102009027576A1; WO2012019881A1; WO2012163576A1; WO2013124097A1; WO2014170105A1; JP2010106740A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1519033 A2 20050330; **EP 1519033 A3 20060517**; DE 10344459 A1 20050414; DE 10344459 B4 20120614

DOCDB simple family (application)

EP 04104464 A 20040915; DE 10344459 A 20030925