

Title (en)  
PISTON PUMP

Title (de)  
KOLBENPUMPE

Title (fr)  
POMPE À PISTON

Publication  
**EP 3426921 B1 20200812 (DE)**

Application  
**EP 17705645 A 20170217**

Priority  
• DE 102016203847 A 20160309  
• EP 2017053696 W 20170217

Abstract (en)  
[origin: WO2017153153A1] The invention relates to a piston pump, in particular for a motor vehicle, comprising a piston (8) that is movably mounted in a housing, a linear actuator (4) for moving the piston (8) in a first direction, and a return spring (23) for moving the piston (8) in a second direction, the end face of a first end (10) of the piston (8) delimiting a first pressure chamber (11) that is associated with a first hydraulic circuit. According to the invention, the end face of a second end (18) of the piston (8) delimits a second pressure chamber (17).

IPC 8 full level  
**F04B 5/02** (2006.01); **F04B 17/04** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP US)  
**F04B 5/02** (2013.01 - EP US); **F04B 17/042** (2013.01 - EP); **F04B 17/044** (2013.01 - US); **F04B 53/14** (2013.01 - US);  
**F04B 53/16** (2013.01 - EP US)

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)  
**WO 2017153153 A1 20170914**; CN 108779765 A 20181109; CN 108779765 B 20201225; DE 102016203847 A1 20170914;  
EP 3426921 A1 20190116; EP 3426921 B1 20200812; JP 2019507285 A 20190314; JP 6692916 B2 20200513; US 11143178 B2 20211012;  
US 2020309117 A1 20201001

DOCDB simple family (application)  
**EP 2017053696 W 20170217**; CN 201780015394 A 20170217; DE 102016203847 A 20160309; EP 17705645 A 20170217;  
JP 2018546446 A 20170217; US 201716082069 A 20170217