

Title (en)
Piston pump

Title (de)
Kolbenpumpe

Title (fr)
Pompe à pistons

Publication
EP 2725226 A1 20140430 (DE)

Application
EP 13185479 A 20130923

Priority
DE 102012219621 A 20121026

Abstract (en)
The piston pump (10) has a pressure generating unit (30) and a control unit (40), which are arranged together in an individual housing (84) and are aligned to each other along a common longitudinal axis (18). The pressure generating unit has a pump piston (12) movable coaxially to the longitudinal axis. The control unit has an inlet valve (32) and an outlet valve (34) for the fluid to be delivered. The pump piston is received in a cylinder and is firmly connected with a piston rod (16).

Abstract (de)
Bei einer Kolbenpumpe (10) zur Hochdruckförderung eines zu fördernden Fluids, mit einer Druckerzeugungseinrichtung (30) und einer Steuereinrichtung (40), sind die Druckerzeugungseinrichtung (30) und die Steuereinrichtung (40) zusammen in einem einzelnen Gehäuse (84) angeordnet und darin entlang einer gemeinsamen Längsachse (18) ausgerichtet.

IPC 8 full level
F04B 1/04 (2006.01); **B08B 3/02** (2006.01); **F04B 1/053** (2006.01); **F04B 53/12** (2006.01)

CPC (source: EP)
B08B 3/026 (2013.01); **F04B 1/0408** (2013.01); **F04B 1/0421** (2013.01); **F04B 1/0452** (2013.01); **F04B 1/053** (2013.01); **F04B 53/126** (2013.01); **B08B 2203/027** (2013.01)

Citation (search report)

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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

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EP 13185479 A 20130923; CN 201310512744 A 20131025; DE 102012219621 A 20121026