

Title (en)

Hydraulic-electromagnetic motor pump with floating piston

Title (de)

Hydraulische elektromagnetische Motorpumpeneinheit mit Freikolbenentspanner

Title (fr)

Moto-pumpe hydraulique électromagnétique avec piston flottant

Publication

EP 1365149 A2 20031126 (EN)

Application

EP 03010665 A 20030513

Priority

IT MI20020271 U 20020523

Abstract (en)

A motor pump (10) of the hydraulic-electromagnetic type with floating piston comprising a container body (12) being partly delimited, in its external part, by a coil (14); an inlet duct (44') and an opposite outlet duct (36); a couple of opposite magnetic bearings (46, 46') that are spaced between them and placed between said body (12) and coil (14); a delivery piston (16) that is placed inside the body (12) and slides in it supported by a front helical-shaped spring (20) and by a rear one (20') and a magnetic bushing (52) placed in the central-lower part of the body (12) facing the inlet duct (44). <IMAGE>

IPC 1-7

F04B 17/04

IPC 8 full level

F04B 17/04 (2006.01)

CPC (source: EP)

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Cited by

CN107795452A; ITMI20101900A1; IT201700060837A1; CN110998091A; US9816496B2; WO2018224903A1

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