

Title (en)
HYDRAULIC, ELECTROMAGNETIC FLOATING-PISTON MOTOR PUMP

Title (de)
HYDRAULISCHE, ELEKTROMAGNETISCHE MOTORPUMPE MIT SCHWIMMENDEM KOLBEN

Title (fr)
POMPE À MOTEUR HYDRAULIQUE À PISTON FLOTTANT ÉLECTROMAGNÉTIQUE

Publication
EP 3635253 B1 20210707 (EN)

Application
EP 18730124 A 20180522

Priority
• IT 201700060837 A 20170605
• IB 2018053601 W 20180522

Abstract (en)
[origin: WO2018224903A1] A floating-piston motor pump comprises a body delimited by a coil, an inlet duct and an outlet duct, a sliding piston and a magnetic sleeve coaxial to the sliding axis of the piston; the magnetic sleeve interacts with the pair of magnetic bearings to increase the magnetic attraction force exerted on the piston and there are also noise-decreasing means operatively active and located between the magnetic sleeve, the piston and the body.

IPC 8 full level
F04B 17/04 (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP)
F04B 17/046 (2013.01); **F04B 53/001** (2013.01)

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 2018224903 A1 20181213; CN 110998091 A 20200410; CN 110998091 B 20220426; EP 3635253 A1 20200415; EP 3635253 B1 20210707; IT 201700060837 A1 20181205

DOCDB simple family (application)
IB 2018053601 W 20180522; CN 201880050874 A 20180522; EP 18730124 A 20180522; IT 201700060837 A 20170605