

Title (en)

VIBRATING ARMATURE PUMP HAVING FLUX-CONDUCTING ELEMENT

Title (de)

SCHWINGANKERPUMPE MIT FLUSSLEITELEMENT

Title (fr)

POMPE À ARMATURE OSCILLANTE POURVU D'UN ÉLÉMENT DE GUIDAGE DE FLUX

Publication

EP 3137767 A1 20170308 (DE)

Application

EP 15718862 A 20150423

Priority

- DE 102014105869 A 20140425
- EP 2015058841 W 20150423

Abstract (en)

[origin: WO2015162221A1] The invention relates to a vibrating armature pump, in particular a high-pressure vibrating armature pump, for a household appliance, said pump comprising a piston guide (11a; 11b; 11c) for guiding a piston element (12a; 12b; 12c), a pump spring (13a; 13b; 13c) designed to apply an actuating force to the piston element (12a; 12b; 12c), and a casing unit (14a; 14b; 14c) having at least one flux-conducting element (15a; 15b; 15c) that is designed to conduct a magnetic flux generated by a magnet actuator. In a mounted state, the flux-conducting element (15a; 15b; 15c) is arranged in a radial direction between the pump spring (13a; 13b; 13c) and the piston guide (11a; 11b; 11c).

IPC 8 full level

F04B 17/04 (2006.01)

CPC (source: CN EP US)

F04B 9/06 (2013.01 - US); **F04B 17/04** (2013.01 - US); **F04B 17/046** (2013.01 - CN EP US); **F04B 53/146** (2013.01 - US); **F04B 53/16** (2013.01 - EP US)

Citation (search report)

See references of WO 2015162221A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015162221 A1 20151029; CN 106460815 A 20170222; CN 106460815 B 20181023; DE 102015106276 A1 20151029; EP 3137767 A1 20170308; EP 3137767 B1 20191106; US 2017051731 A1 20170223; US 9816496 B2 20171114

DOCDB simple family (application)

EP 2015058841 W 20150423; CN 201580034254 A 20150423; DE 102015106276 A 20150423; EP 15718862 A 20150423; US 201515306499 A 20150423