

Title (en)
PUMP

Title (de)
PUMPE

Title (fr)
POMPE

Publication
EP 2723224 A1 20140430 (DE)

Application
EP 12729596 A 20120622

Priority
• DE 102011078017 A 20110622
• EP 2012062049 W 20120622

Abstract (en)
[origin: WO2012175652A1] The invention relates to a radial pump (12) for water that has a drive motor (15), a pump chamber (19) and an impeller (18) that rotates within the pump chamber (19). The impeller (18) has several impeller blades (35) that are designed elastically in at least some regions and have a fixed bearing located in a region near the rotational axis of the impeller (16). The impeller blades can be elastically bent in a radially outward direction from the fixed bearing against a spring force. (see Fig. 1)

IPC 8 full level
A47L 15/42 (2006.01); **D06F 39/04** (2006.01)

CPC (source: EP US)
A47L 15/4225 (2013.01 - EP US); **D06F 39/04** (2013.01 - EP US); **F04D 29/2222** (2013.01 - US); **F04D 29/247** (2013.01 - EP US)

Citation (search report)
See references of WO 2012175652A1

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)
DE 102011078017 B3 20120621; CN 103702601 A 20140402; EP 2723224 A1 20140430; US 2014193260 A1 20140710;
WO 2012175652 A1 20121227

DOCDB simple family (application)
DE 102011078017 A 20110622; CN 201280031006 A 20120622; EP 12729596 A 20120622; EP 2012062049 W 20120622;
US 201214124510 A 20120622