

Title (en)
Pump

Title (de)
Pumpe

Title (fr)
Pompe

Publication
EP 2708754 A3 20150107 (DE)

Application
EP 13182883 A 20130903

Priority
DE 102012216196 A 20120912

Abstract (en)
[origin: EP2708754A2] The pump (11) has a pump chamber (13) and a rotating impeller (30). An inlet (16) is lead into the pump chamber and an outlet (19) is lead out from the pump chamber. A pump motor (20) is provided with a rotor (22), for driving the impeller. The rotor and the impeller are connected to each other. The impeller is supported in the axial direction towards the inlet. A thrust bearing (39) is provided against axial support and is located on a rotational axis of the rotor.

IPC 8 full level
F04D 29/041 (2006.01); **F04D 29/046** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP US)
F04D 29/0413 (2013.01 - US); **F04D 29/046** (2013.01 - EP US); **F04D 29/0467** (2013.01 - EP US); **F04D 29/4293** (2013.01 - EP US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2708754 A2 20140319; EP 2708754 A3 20150107; CN 103671131 A 20140326; DE 102012216196 A1 20140313;
US 2014072414 A1 20140313

DOCDB simple family (application)
EP 13182883 A 20130903; CN 201310532313 A 20130912; DE 102012216196 A 20120912; US 201314024945 A 20130912