

Title (en)  
PUMP

Title (de)  
PUMPE MIT AXIALER DRUCKFEDER

Title (fr)  
POMPE

Publication  
**EP 3081744 B1 20210811 (DE)**

Application  
**EP 16164901 A 20160412**

Priority  
DE 102015105928 A 20150417

Abstract (en)  
[origin: US2016305427A1] A pump including a rotor; a first housing part and a second housing part, between which the rotor is arranged such that it can be rotated about a rotational axis relative to the first and second housing part; at least one positioning element which positions the second housing part with respect to its angular position about the rotational axis relative to the first housing part; and a spring, wherein the second housing part is arranged between the spring and the rotor, wherein the spring is fastened to the at least one positioning element or the second housing part.

IPC 8 full level  
**F01C 19/00** (2006.01); **F01C 21/10** (2006.01); **F04C 2/344** (2006.01)

CPC (source: CN EP US)  
**F01C 21/108** (2013.01 - EP US); **F04C 2/3446** (2013.01 - CN EP US); **F04C 2/3448** (2013.01 - US); **F04C 15/00** (2013.01 - CN US); **F04C 15/0019** (2013.01 - CN); **F04C 15/0026** (2013.01 - CN); **F04C 15/0073** (2013.01 - CN); **F01C 19/005** (2013.01 - EP US); **F04C 2210/206** (2013.01 - US); **F04C 2230/603** (2013.01 - US); **F04C 2240/20** (2013.01 - US); **F04C 2240/30** (2013.01 - US)

Cited by  
EP4166752A1; DE102016109335A1; DE102016109335B4; US11815102B2

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)  
**EP 3081744 A1 20161019**; **EP 3081744 B1 20210811**; CN 106050646 A 20161026; CN 106050646 B 20191206;  
DE 102015105928 A1 20161020; DE 102015105928 B4 20180517; US 10087929 B2 20181002; US 2016305427 A1 20161020

DOCDB simple family (application)  
**EP 16164901 A 20160412**; CN 201610232347 A 20160414; DE 102015105928 A 20150417; US 201615130105 A 20160415