

Title (en)  
CENTRIFUGAL PUMP ASSEMBLY

Title (de)  
KREISELPUMPENAGGREGAT

Title (fr)  
ENSEMBLE DE POMPE CENTRIFUGE

Publication  
**EP 3376050 A1 20180919 (DE)**

Application  
**EP 17160831 A 20170314**

Priority  
EP 17160831 A 20170314

Abstract (en)  
[origin: WO2018166967A1] The invention relates to a centrifugal pump aggregate having an electric drive motor (4, 6), an impeller (14) driven by said motor and at least one valve element (18), which can be moved by the electric drive motor (4, 6) directly or indirectly along a first movement path between at least two switch positions, wherein at least one part of the valve element (18) can additionally be moved along a second movement path, which differs from the first movement path, between a released position, in which the valve element is spaced at a distance from at least one contact surface, and a contact position, in which the valve element sits against the at least one contact surface.

Abstract (de)  
Die Erfindung betrifft ein Kreiselpumpenaggregat mit einem elektrischen Antriebsmotor (4, 6), einem von diesem angetrieben Laufrad (14) sowie zumindest einem Ventilelement (18), welches von dem elektrischen Antriebsmotor (4, 6) direkt oder indirekt entlang einer ersten Bewegungsbahn zwischen zumindest zwei Schaltstellungen bewegbar ist, wobei zumindest ein Teil des Ventilelementes (18) zusätzlich entlang einer zweiten, von der ersten Bewegungsbahn verschiedenen Bewegungsbahn zwischen einer gelösten Position, in welcher das Ventilelement von zumindest einer Anlagefläche beabstandet ist und einer anliegenden Position, in welcher das Ventilelement an der zumindest einen Anlagefläche anliegt, bewegbar ist

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CPC (source: EP US)  
**F04D 1/00** (2013.01 - US); **F04D 1/006** (2013.01 - EP); **F04D 13/06** (2013.01 - EP US); **F04D 13/0606** (2013.01 - US); **F04D 15/0005** (2013.01 - EP US); **F04D 15/0016** (2013.01 - EP US); **F04D 15/0022** (2013.01 - US); **F04D 15/0038** (2013.01 - US); **F04D 15/0066** (2013.01 - US); **F04D 29/4293** (2013.01 - EP US); **F04D 29/486** (2013.01 - EP US); **F24D 3/105** (2013.01 - EP US); **F24D 2220/0207** (2013.01 - EP US); **F24D 2220/0235** (2013.01 - EP); **F24H 9/142** (2013.01 - EP)

Citation (search report)  
• [X] US 2016258340 A1 20160908 - KLIPPERT UWE [DE], et al  
• [A] WO 2015110608 A1 20150730 - SAINT GOBAIN PERFORMANCE PLAST [FR]

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WO2019025526A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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