

Title (en)

Centrifugal pump with axially shiftable and closable impeller

Title (de)

Kreiselpumpe mit axial verschiebbarem, schliessbarem Laufrad

Title (fr)

Pompe centrifuge avec roue à aubes déplaçable axialement et obturable

Publication

EP 2818725 B1 20170913 (DE)

Application

EP 13174142 A 20130627

Priority

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Abstract (en)

[origin: WO2014207030A1] The invention relates to a rotary pump apparatus with an electric drive motor (2) and with at least one rotor (10; 10') which is movable in an axial direction (X) between at least two functional positions, wherein, in one functional position, a flow path through the rotor (10; 10') is substantially closed, and in another functional position, the flow path through the rotor (10; 10') is open, wherein the rotor (10; 10') is held in a first functional position by a magnetic force (FM) or a spring force and is held in a second functional position by a hydraulic force (FH) generated by a delivered fluid, and to a rotor for a rotary pump apparatus.

IPC 8 full level

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CPC (source: EP US)

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F04D 29/0416 (2013.01 - EP US); **F04D 29/042** (2013.01 - EP US); **F04D 29/426** (2013.01 - US); **F05D 2270/62** (2013.01 - EP US);
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Cited by

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DOCDB simple family (publication)

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