

Title (en)

Adjustable wear-resistant rotary pump

Title (de)

Verstellbare Rotationspumpe mit Verschleissminderung

Title (fr)

Pompe rotative réglable à usure réduite

Publication

EP 1847713 B1 20110302 (DE)

Application

EP 07106407 A 20070418

Priority

DE 102006018124 A 20060419

Abstract (en)

[origin: EP1847713A2] The pump has a casing (3). A delivery chamber is formed in the casing and has an inlet (4) for a fluid on a low-pressure side and an outlet (5) for the fluid on a high-pressure side of the pump. A delivery rotor (2) rotatable in the delivery chamber about a rotational axis (R2). The actuating member is chargeable in the direction of its mobility, with an actuating force which is dependent on a fluid requirement. A track formed in the casing and guides the actuator on an actuating member sliding surface in a sliding contact. A slider forms one of the track and the actuator sliding surface. An independent claim is included for a method.

IPC 8 full level

F04C 14/18 (2006.01); **F04C 2/18** (2006.01)

CPC (source: EP US)

F04C 14/185 (2013.01 - EP US); **F04C 2/18** (2013.01 - EP US); **F04C 2230/91** (2013.01 - EP US); **F05C 2201/903** (2013.01 - EP US); **F05C 2203/0869** (2013.01 - EP US); **F05C 2225/00** (2013.01 - EP US); **F05C 2225/04** (2013.01 - EP US); **F05C 2225/06** (2013.01 - EP US); **F05C 2225/12** (2013.01 - EP US); **F05C 2251/10** (2013.01 - EP US); **F05C 2251/14** (2013.01 - EP US); **Y10T 29/49242** (2015.01 - EP US)

Cited by

CN102498297A; DE102019106660A1; WO2010145862A3; EP3708837A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07106407 A 20070418; AT 07106407 T 20070418; AT 5122010 U 20100813; DE 10178105 T 20070418; DE 102006018124 A 20060419; DE 202007018987 U 20070418; DE 502007006577 T 20070418; EP 10178105 A 20070418; EP 18170712 A 20070418; HU E10178105 A 20070418; JP 2007109912 A 20070418; PL 07106407 T 20070418; US 201113079270 A 20110404; US 201213464206 A 20120504; US 73739707 A 20070419