

Title (en)

Operational management device for a positive displacement pump, pump system and method of operating such

Title (de)

Betriebssteuerungsvorrichtung für eine Verdrängerpumpe, Pumpensystem und Verfahren zum Betreiben eines solchen

Title (fr)

Dispositif de commande pour une pompe volumétrique, système de pompes et procédé de fonctionnement de celui-ci

Publication

EP 2357363 B1 20120404 (DE)

Application

EP 10001449 A 20100212

Priority

EP 10001449 A 20100212

Abstract (en)

[origin: EP2357363A1] The operation controlling device comprises a pump motor with an actuation unit (12), particularly for setting the rotational speed for the pump motor, and a state sensor unit (20) for detecting an actual operating parameter, particularly operating pressure of the positive-displacement pump (14). An operating mode unit (18) is provided, which is configured, such that an actuating mode for the pump motor is set by the actuating unit below an operating-parameter threshold value. The operating-parameter threshold value is fixed or is calculated as a value or a pump parameter which is correlated.

IPC 8 full level

F04C 14/06 (2006.01); **F04B 49/02** (2006.01); **F04B 49/06** (2006.01); **F04C 14/08** (2006.01)

CPC (source: EP US)

F04B 7/02 (2013.01 - US); **F04B 49/022** (2013.01 - EP US); **F04B 49/065** (2013.01 - EP US); **F04C 2/16** (2013.01 - EP US); **F04C 14/06** (2013.01 - EP US); **F04C 14/08** (2013.01 - EP US); **F04C 2240/81** (2013.01 - EP US); **F04C 2270/18** (2013.01 - EP US)

Cited by

CN112128170A; US9765779B2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2357363 A1 20110817; **EP 2357363 B1 20120404**; **EP 2357363 B8 20120606**; AT E552423 T1 20120415; CN 102762865 A 20121031; CN 102762865 B 20150506; JP 2013519815 A 20130530; JP 5651196 B2 20150107; US 2013183167 A1 20130718; US 2016281710 A1 20160929; US 9404482 B2 20160802; US 9797398 B2 20171024; WO 2011098270 A1 20110818

DOCDB simple family (application)

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