

Title (en)

ELECTRIC MOTOR PUMP CONTROL INCORPORATING PUMP ELEMENT POSITION INFORMATION

Title (de)

ELEKTROMOTORPUMPENSTEUERUNG MIT PUMPENELEMENTPOSITIONSINFORMATIONEN

Title (fr)

COMMANDE DE POMPE À MOTEUR ÉLECTRIQUE COMPORTANT DES INFORMATIONS DE POSITION D'ÉLÉMENT DE POMPE

Publication

**EP 2619458 A2 20130731 (EN)**

Application

**EP 11754774 A 20110809**

Priority

- US 88961210 A 20100924
- US 2011046996 W 20110809

Abstract (en)

[origin: US2012076667A1] A method and a system for controlling an electric motor of a pump to counter act pressure pulsations generated by at least one pump element and to reduce noise, vibration, and harshness generated by the pump. The positions of at least one pump element of the pump and a shaft of the electric motor are determined. A pump stroke position is determined from the position of the pump element relative to the position of the shaft of the electric motor. The power sent to the electric motor is controlled according to the pump stroke position.

IPC 8 full level

**F04B 49/06** (2006.01)

CPC (source: EP US)

**B60T 8/404** (2013.01 - EP US); **B60T 8/4068** (2013.01 - EP US); **F04B 11/00** (2013.01 - EP US); **F04B 11/0041** (2013.01 - EP US); **F04B 17/03** (2013.01 - EP US); **F04B 49/06** (2013.01 - EP US); **F04B 49/065** (2013.01 - EP US); **F04B 49/12** (2013.01 - EP US); **F04B 53/001** (2013.01 - EP US); **F04B 2201/0201** (2013.01 - EP US); **F04B 2203/0208** (2013.01 - EP US); **F04B 2203/0209** (2013.01 - EP US)

Citation (search report)

See references of WO 2012039845A2

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DOCDB simple family (publication)

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