

Title (en)

METHOD FOR DIAGNOSING OPERATING STATES OF A SYNCHRONOUS PUMP, AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR DIAGNOSE VON BETRIEBSZUSTÄNDEN EINER SYNCHRONPUMPE SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DIESER VERFAHRENS

Title (fr)

PROCEDE POUR DIAGNOSTIQUER DES ETATS DE FONCTIONNEMENT D'UNE POMPE SYNCHRONE ET DISPOSITIF POUR REALISER CE PROCEDE

Publication

EP 1719241 A1 20061108 (DE)

Application

EP 05715466 A 20050223

Priority

- EP 2005001872 W 20050223
- DE 102004009046 A 20040223

Abstract (en)

[origin: DE102004009046B3] The operating condition diagnosis method has the voltage and current of the pump motor measured during a measuring step (30), before determination of the phase shift between the voltage and the current at spaced time points during an evaluation step (32), for provision of a phase shift characteristic, used during an association step (34) for indication of the corresponding pump operating condition (36,38,40,42). An independent claim for a device for diagnosis of the operating condition of a synchronous pump is also included.

IPC 8 full level

H02P 6/00 (2006.01); **A47L 15/42** (2006.01); **D06F 39/08** (2006.01); **F04B 49/06** (2006.01); **F04D 15/02** (2006.01); **G07B 17/00** (2006.01); **H02H 7/08** (2006.01); **H02P 29/02** (2006.01)

CPC (source: EP US)

A47L 15/42 (2013.01 - EP US); **D06F 39/08** (2013.01 - EP US); **F04D 15/0209** (2013.01 - EP US); **F04D 15/0236** (2013.01 - EP US); **G07B 2017/0083** (2013.01 - EP US)

Citation (search report)

See references of WO 2005081390A1

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DOCDB simple family (publication)

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