

Title (en)

METHOD AND DEVICE FOR MAINTAINING A PUMPING SYSTEM IN OPERATIONAL CONDITION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEWAHRUNG EINES PUMPSYSTEMS IM BETRIEBSZUSTAND

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MAINTIEN EN CONDITION OPÉRATIONNELLE D'UN SYSTÈME DE POMPAGE

Publication

**EP 3701152 A1 20200902 (FR)**

Application

**EP 18789158 A 20181023**

Priority

- FR 1760073 A 20171025
- EP 2018079057 W 20181023

Abstract (en)

[origin: WO2019081524A1] A method for maintaining a pumping system (2), that is part of a pumping station (1), in operational service (30), said pumping system (2) comprising a pump (20), a motor (21) driving the pump (20), and a pipe for discharging fluid by the pump (20). Said method comprises at least the following steps: - measurement of physical values, operational characteristics of the pumping system (2), including hydraulic values that are characteristic of the state of the pump discharge pipe (20); - analysis and interpretation of the measured physical values with the aim of detecting one or more anomalies; - pre-diagnosis of the probable causes of the detected anomalies and determination of the preventive and curative actions to take on the pumping system (2); automatic implementation of the preventive and curative actions on the pumping system (2).

IPC 8 full level

**F04D 7/04** (2006.01); **F04D 13/06** (2006.01); **F04D 15/00** (2006.01)

CPC (source: EP US)

**F04D 7/04** (2013.01 - EP); **F04D 13/06** (2013.01 - EP US); **F04D 15/0077** (2013.01 - EP US); **F04D 15/0088** (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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CN 111247344 A 20200605; CN 111247344 B 20220722; EP 3701152 A1 20200902; MA 50444 A 20200902; US 11920600 B2 20240305;  
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