

Title (en)
METHOD FOR MONITORING A PUMP

Title (de)
VERFAHREN ZUM ÜBERWACHEN EINER PUMPE

Title (fr)
PROCÉDÉ DE SURVEILLANCE D'UNE POMPE

Publication
EP 2788625 A1 20141015 (DE)

Application
EP 12778245 A 20121019

Priority
• DE 102011120686 A 20111209
• EP 2012004399 W 20121019

Abstract (en)
[origin: WO2013083217A1] The invention relates to a method for monitoring the function of a pump (1) which is driven by an electric motor and which has an internal electronic system (4), functional parameters of the pump (1) being monitored by means of said electronic system. The internal electronic system (4) forwards the values of the functional parameters to a central control device (8) via an internal communication interface (6), and the values of the functional parameters are detected and monitored with respect to critical thresholds in the central control device (8). The invention is characterized in that the change over time of at least one value of the functional parameters is detected in the central control device (8), and a fault of the pump (1) is determined if a value of at least one functional parameter remains constant beyond a specified period of time. The preferred use is in the region of a vehicle (F).

IPC 8 full level
F04B 49/02 (2006.01); **F04B 49/06** (2006.01); **F04B 49/10** (2006.01); **F04B 51/00** (2006.01); **F04D 15/02** (2006.01)

CPC (source: EP US)
F04B 49/02 (2013.01 - EP US); **F04B 49/065** (2013.01 - EP US); **F04B 49/10** (2013.01 - EP US); **F04B 51/00** (2013.01 - EP US); **F04D 15/0245** (2013.01 - EP US); **G01R 31/34** (2013.01 - US); **F04B 2203/0201** (2013.01 - EP US); **F04B 2207/703** (2013.01 - EP US)

Citation (search report)
See references of WO 2013083217A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013083217 A1 20130613; CN 103987966 A 20140813; DE 102011120686 A1 20130613; EP 2788625 A1 20141015; JP 2015504995 A 20150216; US 2014320163 A1 20141030

DOCDB simple family (application)
EP 2012004399 W 20121019; CN 201280059807 A 20121019; DE 102011120686 A 20111209; EP 12778245 A 20121019; JP 2014545121 A 20121019; US 201214362965 A 20121019