

Title (en)
Malfunction control of a motor pump

Title (de)
Fehlerüberwachung und Betriebssteuerung eines Motorpumpenaggregats

Title (fr)
Contrôle de dysfonctionnement d'un groupe motopompe

Publication
EP 2151579 A1 20100210 (FR)

Application
EP 09290593 A 20090728

Priority
FR 0804457 A 20080805

Abstract (en)
The motor-pump set has a pump (1) driven by an electric motor (2) that is controlled by an electrical circuit (3), where current passing in the circuit exceeds a given threshold during starting of the motor. An activation unit activates an alarm transmitting unit (9) when the current continuously exceeds the threshold for a given period of time, which is comprised between 30 minutes and 24 hours. The activation unit has a current measurement device (5) connected to a comparator (6). The comparator is connected to a clock (8), and compares the measured current with a reference current.

Abstract (fr)
Dans ce groupe motopompe comprenant une pompe (1) entraînée par un moteur (2) commandé par un circuit (3) électrique, il y a des moyens (8) pour activer les moyens (9) d'alerte si le seuil a été dépassé continuellement pendant un laps de temps donné.

IPC 8 full level
F04D 15/02 (2006.01)

CPC (source: EP)
F04D 15/0236 (2013.01); **F04D 15/0254** (2013.01)

Citation (applicant)

- EP 1585205 A2 20051012 - SMITH CORP A O [US]
- EP 1255174 A1 20021106 - STARITE S P A [IT]
- EP 1582747 A1 20051005 - HONEYWELL BV [NL]

Citation (search report)

- [XA] EP 1585205 A2 20051012 - SMITH CORP A O [US]
- [Y] EP 1255174 A1 20021106 - STARITE S P A [IT]
- [YA] EP 1582747 A1 20051005 - HONEYWELL BV [NL]
- [A] US 2003065425 A1 20030403 - GOODWIN BRIAN [US], et al

Citation (examination)

- JP H1116475 A 19990122 - MEIDENSHA ELECTRIC MFG CO LTD
- JP H03261325 A 19911121 - HITACHI LTD, et al
- JP S5450944 A 19790421 - TOKYO SHIBAURA ELECTRIC CO
- JP S5475052 A 19790615 - HITACHI LTD

Cited by
US2017204864A1; US11512696B2

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

Designated extension state (EPC)
AL BA RS

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EP 09290593 A 20090728; FR 0804457 A 20080805