

Title (en)
Control device for autoclave pump

Title (de)
Steuereinrichtung für Autoklavpumpe

Title (fr)
Dispositif de contrôle pour une pompe d'autoclave

Publication
EP 1336761 A3 20090610 (EN)

Application
EP 03075340 A 20030205

Priority
IT MI20020275 A 20020213

Abstract (en)
[origin: EP1336761A2] A control device for operation of an autoclave pump of a water distribution network, of the type comprising a mechanical part, with the task of detecting pressures and flows by means of moving parts, and an electronic part, with the task of managing pump supply in relation to the parameters detected; all signals are sent to a microprocessor electronic control system which, thanks to simultaneous detection and measurement of flow and pressure, makes it possible to avoid the pressure oscillation typical of control devices of the traditional type and prevent the pump from starting up and shutting down continually. The device is also capable of detecting any abnormal conditions that take place, such as excessive flow, no water at the pump inlet side or a leak in the user circuit, taking steps to shut down operation of the entire system to prevent damage to the pump and the internal circuits.

IPC 8 full level
F04D 15/02 (2006.01); **F04B 49/02** (2006.01); **H01H 35/24** (2006.01); **H01H 35/40** (2006.01)

CPC (source: EP)
F04B 49/022 (2013.01); **F04D 15/0218** (2013.01); **F04B 2205/05** (2013.01); **F04B 2205/09** (2013.01); **H01H 35/247** (2013.01); **H01H 35/405** (2013.01)

Citation (search report)

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- [A] EP 0528726 A1 19930224 - POMPES SALMSON SA [FR]
- [A] WO 9119170 A1 19911212 - MCPHERSONS LTD [AU], et al
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IT201600082296A1; ITFI20080235A1; RU2616397C1; EP3973192A4; ITFI20120079A1; EP2653725A1; WO2020232508A1

Designated contracting state (EPC)
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Designated extension state (EPC)
AL LT LV MK RO

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DOCDB simple family (application)
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