

Title (en)

A SELF-REGULATING COMPUTERIZED PROPORTIONAL CONTROL DEVICE FOR A WATER PUMP

Title (de)

SELBSTSTREGENDE COMPUTERGESTÜTZTE PROPORTIONAL-STEUEREINHEIT FÜR EINE WASSERPUMPE

Title (fr)

DISPOSITIF DE REGULATION INFORMATIQUE PROPORTIONNEL ET AUTO-REGLABLE POUR POMPE A EAU

Publication

EP 0901654 A1 19990317 (EN)

Application

EP 98905610 A 19980213

Priority

- IT 9800024 W 19980213
- IT PI970009 A 19970213

Abstract (en)

[origin: WO9836339A1] A self-regulating computerized proportional device controlling a water pump comprises a body (1) connected hydraulically to the delivery line of the pump and an outlet section from which water flows to the system served by the pump. The inside of the body accommodates a flow sensing and flow check device (5), and a pressure sensor (11) consisting in a Bourdon tube coupled to a rotary encoder (14). Output signals from the flow and pressure sensors are supplied to a microprocessor (17) by which the pump is started and stopped both in response to the information contained in the signals and according to operating sequences determined on the basis of previously programmed instructions.

IPC 1-7

G05D 16/20; F04B 49/02; F04B 49/06

IPC 8 full level

F04B 49/02 (2006.01); **F04B 49/06** (2006.01); **G05D 16/20** (2006.01)

CPC (source: EP)

F04B 49/022 (2013.01); **F04B 49/065** (2013.01); **G05D 16/2066** (2013.01); **F04B 2205/061** (2013.01); **F04B 2205/172** (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IE LI NL PT

DOCDB simple family (publication)

WO 9836339 A1 19980820; EP 0901654 A1 19990317; IT 1295577 B1 19990513; IT PI970009 A0 19970213; IT PI970009 A1 19980813

DOCDB simple family (application)

IT 9800024 W 19980213; EP 98905610 A 19980213; IT PI970009 A 19970213