

Title (en)

Control device for a water supply installation.

Title (de)

Betätigungsvorrichtung für eine Wasserversorgungsanlage.

Title (fr)

Dispositif de commande d'une installation d'alimentation en eau.

Publication

EP 0219360 A1 19870422 (FR)

Application

EP 86401545 A 19860710

Priority

FR 8512573 A 19850821

Abstract (en)

1. A control arrangement for a water supply installation comprising : - an air tight and water tight enclosure (12), with an input (8) to be connected to a pump (3) with an electric control circuit (27) by means of a check valve (29), and an outlet (9) to be connected to a user device (5), and which is provided with means (13, 14) for reducing the volume of the enclosure when the pressure which prevails therein decreases, and - a first transducer for energising the electric control circuit (27) of the pump (3) when the volume in the enclosure (12) is reduced to a predetermined value, characterized in that - the check valve (29) cooperates with a second transducer (34, 35) for energising the control circuit (27) of the pump when the check valve (29) is open, the two transducers (20-26, 34, 35) being electrically connected in two parallel branches to the electric control circuit (27) of the pump, and - the first transducer (20-26) is connected to the electrical control circuit (27) of the pump by means of a relay (28) for de-energising its branch after a predetermined time period.

Abstract (fr)

Il comprend une enceinte (12) avec une entrée (8) et une sortie (9). Un clapet anti-retour (29) ferme la sortie (9) et coopère avec un transducteur (34, 35) pour mettre sous tension le circuit de commande de la pompe (27) quand le clapet anti-retour (29) est ouvert, un premier transducteur (20 à 26) étant connecté au circuit (27) par un relais (28) de mise hors tension de sa branche de connection après une durée prescrite.

IPC 1-7

F04B 49/02

IPC 8 full level

F04D 15/00 (2006.01); **F04B 49/02** (2006.01)

CPC (source: EP)

F04B 49/022 (2013.01)

Citation (search report)

- [A] DE 1146007 B 19630321 - ODD FREDHEIM JOHNSEN
- [A] US 4124331 A 19781107 - TAKI TOMOHIKO
- [A] DE 1291292 B 19690320 - GUINARD PAUL ANDRE, et al

Cited by

EP0915256A3; US5927950A; EP0539721A1; ES2177371A1; EP1479911A1; EP0321376A3; WO9836339A1; WO2005035985A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0219360 A1 19870422; EP 0219360 B1 19890719; AT E44803 T1 19890815; DE 3664513 D1 19890824; ES 556941 A0 19870816; ES 8707588 A1 19870816; FR 2586457 A1 19870227; FR 2586457 B1 19890623; JP S6350697 A 19880303; PT 83216 A 19860901; PT 83216 B 19921030

DOCDB simple family (application)

EP 86401545 A 19860710; AT 86401545 T 19860710; DE 3664513 T 19860710; ES 556941 A 19860625; FR 8512573 A 19850821; JP 19410186 A 19860821; PT 8321686 A 19860818