

Title (en)

Device for actuating electric pumps in liquid distribution systems

Title (de)

Vorrichtung zur Betätigung von elektrischen angetriebenen Pumpen für Flüssigkeitsabgabesystem

Title (fr)

Dispositif d'activation de pompes électriques pour système de distribution de liquide

Publication

EP 1431583 A3 20050727 (EN)

Application

EP 03027457 A 20031201

Priority

IT PD20020330 A 20021220

Abstract (en)

[origin: EP1431583A2] A device for actuating electric pumps for water distribution systems, comprising a hollow hydraulic body (10), to be associated with an electric pump (11) with a single-phase electric motor, which forms internally a main duct (18) with end connectors (19, 20) for connection to the hydraulic system, the main duct (18) containing a flow-controlled switch (21), which cooperates with a pressure sensor (29) that is associated with the body (10) and is coupled to an electronic pressure reduction unit that operates by reducing the rotation rate of the motor according to a voltage variation chosen between one produced in the main winding and one in the electrical power supply line. <IMAGE>

IPC 1-7

F04D 15/00; **F04B 49/06**

IPC 8 full level

F04B 49/20 (2006.01); **F04D 15/00** (2006.01)

CPC (source: EP)

F04B 49/20 (2013.01); **F04D 15/0066** (2013.01); **F04B 2205/05** (2013.01); **F04B 2205/09** (2013.01)

Citation (search report)

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- [A] EP 0390627 A1 19901003 - GUINARD POMPES [FR]
- [A] DE 4243118 A1 19940623 - CONTINENTAL AG [DE]
- [A] US 6234759 B1 20010522 - HENNEL EWALD [DE], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 003, no. 093 (M - 068) 8 August 1979 (1979-08-08)

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EP1936205A1

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DOCDB simple family (publication)

EP 1431583 A2 20040623; **EP 1431583 A3 20050727**; **EP 1431583 B1 20061018**; AT E343066 T1 20061115; DE 60309123 D1 20061130; DE 60309123 T2 20070906; ES 2274162 T3 20070516; IT PD20020330 A1 20040621

DOCDB simple family (application)

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