

Title (en)
Pump controller

Title (de)
Pumpensteuergerät

Title (fr)
Régulateur de pompes

Publication
EP 1138950 B1 20040107 (DE)

Application
EP 00890098 A 20000327

Priority
EP 00890098 A 20000327

Abstract (en)
[origin: EP1138950A1] Pump system has at least one liquid pump, preferably a centrifugal pump, driven by an electric motor and a regulator for comparing an actual value of a liquid pump output pressure with a demand value. An output signal that varies depending on the result of the comparison and the regulator's transfer function is fed to a revolution rate regulator driving the motor. A control circuit cyclically varies at least one regulator regulation parameter. The pump system has at least one liquid pump (1), preferably a centrifugal pump, driven by an electric motor (2) and a regulator (4) for comparing an actual value of an output pressure from the liquid pump with a demand value. An output signal (4a) that varies depending on the result of the comparison and the regulator's transfer function is fed to a revolution rate regulator (3) driving the motor. A control circuit (10) cyclically varies at least one regulation parameter of the regulator.

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F04D 15/00

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)

Cited by
EP1731684A1; US7197878B2

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EP 1138950 A1 20011004; EP 1138950 B1 20040107; AT E257548 T1 20040115; DE 50004980 D1 20040212; DK 1138950 T3 20040503

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