

Title (en)

METHOD AND APPARATUS FOR CONTROLLING DIFFERENT OPERATIONAL PARAMETERS FOR PUMPS AND COMPRESSORS

Publication

EP 0150068 A3 19860716 (DE)

Application

EP 85100565 A 19850121

Priority

DE 3402120 A 19840123

Abstract (en)

[origin: EP0150068A2] The operational parameters to be controlled in pumps and compressors, preferably centrifugal pumps and fans, are in particular lift H, flow rate Q, capacity P and speed n. According to the known prior art, the control variables for controlling the flow rate Q and the lift H are measured in the pumping medium itself. The sensors are greatly stressed at their place of use and involve considerable cost as a result of the elaborate measuring technology. The invention solves these problems in that the control according to characteristics of the operational parameters is effected as a function of the desired operating mode, individual operational parameters for calculating the manipulated variable being measured outside the pumping medium. The speed n and the capacity P are advantageously used as electrical measured variables for describing the characteristics. The characteristics or performance data determined are permanently programmed into a computer.

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IPC 8 full level

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Citation (search report)

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