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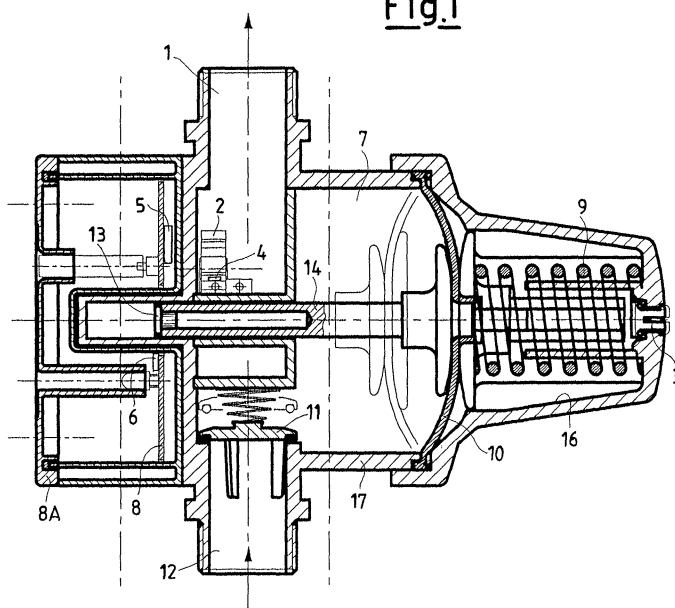
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(54) **Control device for autoclave pump**

(57) A control device for operation of an autoclave pump of a water distribution network, of the type comprising a mechanical part, with the task of detecting pressures and flows by means of moving parts, and an electronic part, with the task of managing pump supply in relation to the parameters detected; all signals are sent to a microprocessor electronic control system which, thanks to simultaneous detection and measurement of

flow and pressure, makes it possible to avoid the pressure oscillation typical of control devices of the traditional type and prevent the pump from starting up and shutting down continually. The device is also capable of detecting any abnormal conditions that take place, such as excessive flow, no water at the pump inlet side or a leak in the user circuit, taking steps to shut down operation of the entire system to prevent damage to the pump and the internal circuits.

Fig.1





EUROPEAN SEARCH REPORT

Application Number
EP 03 07 5340

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			F04D
Place of search		Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 03 07 5340

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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