

Title (en)

A valve unit for automatically regulating the flow-rate of a fuel gas

Title (de)

Ventileinheit zur automatischen Regelung der Brenngasdurchflussmenge

Title (fr)

Une unité de soupape pour commander automatiquement le débit de gaz

Publication

EP 0989366 A1 20000329 (EN)

Application

EP 99202043 A 19990624

Priority

IT PD980164 A 19980701

Abstract (en)

The valve unit described is for automatically regulating the flow-rate of a fuel gas to a device for heating a fluid in dependence on variations in the flow-rate of the fluid through the heating device. The unit comprises means (36) for bringing about, in the fluid, a pressure differential correlated with the flow-rate of fluid flowing through a pipe (36a), actuator means (35a) which are supplied with the pressure differential in order to generate a signal correlated with the pressure-differential value, and means (4,10), controlled by the actuator means (35a), for regulating the flow-rate of fuel gas in order to vary the flow-rate of gas in a manner correlated with the fluid-pressure differential; the means for regulating the flow-rate of gas comprise a pressure regulator (4, 10) with a diaphragm (19), and the actuator means (35a) act on the regulating means by means of the control mediated by the pressure regulator (4, 10). <IMAGE>

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CPC (source: EP)

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Citation (search report)

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- [A] EP 0697563 A1 19960221 - INTEGRA SRL [IT]
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 104 (M - 212) 6 May 1983 (1983-05-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 060 (M - 010) 6 May 1980 (1980-05-06)
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Cited by

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