Title (en)
REGULATING DRIVE FOR SAFETY AND CONTROL VALVES.

Title (de)
STELLANTRIEB FÜR SICHERHEITS- UND REGELVENTILE.

Title (fr)
SERVOMOTEUR POUR SOUPAPES DE SURETE ET DE REGLAGE.

Publication
EP 0462126 B1 19931110 (DE)

Application
EP 90903765 A 19900306

Priority
DE 3907289 A 19890307

Abstract (en)
[origin: WO9010783A1] In a regulating drive for safety and control valves in safety stations for metering energy flows in the form of gases, vapours or water, especially in thermal or industrial power stations, the driving force for the safety adjustment of the choke unit (3) is derived from the pressure difference in the working medium acting on the choke unit. To this end, the safety valve worm drive is not self-limiting. Instead of the high-speed motor, a high-speed device (SG) is used which is coupled to the planetary gear stage (11) of the regulating drive via a non-self-limiting drive (9) and has a shaft (9a) normally braked by a releasable braking device (10), in which the braking device (10) releases the high-speed device (SG) when the response pressure is reached so that the choke unit (3) may be moved to its rated position, driven by its own medium. In the positive direction of action, the rated position of the choke unit (3) is the open one and in the negative direction, the closed one.

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F01D 21/00; F01D 21/16; F01D 17/14

IPC 8 full level
F01D 17/10 (2006.01); **F01D 17/14** (2006.01); **F01D 21/00** (2006.01); **F01D 21/16** (2006.01)

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