

Title (en)

PROPORTIONAL VALVE FOR CONTROLLING A GASEOUS MEDIUM AND FUEL CELL ARRANGEMENT

Title (de)

PROPORTIONALVENTIL ZUM STEUERN EINES GASFÖRMIGEN MEDIUMS UND BRENNSTOFFZELLENANORDNUNG

Title (fr)

SOUPAPE PROPORTIONNELLE POUR LA COMMANDE D'UN MILIEU GAZEUX ET AGENCEMENT DE PILES À COMBUSTIBLE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018233912A1] The invention relates to a proportional valve (100) for controlling a gaseous medium, in particular hydrogen, comprising a movable closure element (301) and a first spring (302) arranged on the closure element (301), the first spring (302) being configured in order to exert a first spring force on the closure element (301) in a closing direction, and an actuator (200), the actuator (200) being configured in order to provide an adjustable force in the opposite direction to the first spring force, the closure element (301) being configured in order to close and to open a through opening (102) by the movement, the proportional valve (100) comprising a closure element (305) which is arranged at an end of the closure element (301) remote from the first spring (302), and a second spring (304), the second spring (304) being arranged on the closure element (305) and the second spring (304) being configured in order to exert a second spring force on the closure element (305), the second spring force counteracting the first spring force.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2018233912A1

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