

Title (en)

PRESSURE CONTROL SYSTEM, FUEL CELL ASSEMBLY AND USE OF SAID CONTROL SYSTEM

Title (de)

DRUCKSTEUERUNGSSYSTEM, BRENNSTOFFZELLENANORDNUNG UND VERWENDUNG DES BESAGTEN STEUERUNGSSYSTEMS

Title (fr)

SYSTÈME DE RÉGULATION DE PRESSION, ENSEMBLE DE PILE À COMBUSTIBLE ET UTILISATION DU SYSTÈME DE RÉGULATION

Publication

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Application

EP 17709125 A 20170126

Priority

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Abstract (en)

[origin: WO2017129906A1] The invention relates to a pressure control system (100) for controlling the pressure in a fluid line (16A), such that said pressure complies with a given control criterion. The system comprises a valve (20A) with on/off control, which is disposed at a downstream end of the line (16A) and which can pivot between an open position and a closed position; a pressure sensor (40A) connected to the line (16A), for measuring the pressure in the line upstream of the valve (20A); and a control unit (50) configured to send the valve (20A) open/close commands determined according to the measured pressure. These commands impose open periods (Oi) on the valve at a fixed frequency. The length of said open periods is varied such that the pressure in the line complies with the given criterion.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017129906A1

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DOCDB simple family (publication)

FR 3047092 A1 20170728; **FR 3047092 B1 20180209**; EP 3408723 A1 20181205; JP 2019511080 A 20190418; JP 6947735 B2 20211013; US 2019044166 A1 20190207; WO 2017129906 A1 20170803

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