

Title (en)

Solenoid valve controlling circuit and controlling method thereof

Title (de)

Steuerungsschaltung für Magnetventil und Steuerungsverfahren dafür

Title (fr)

Circuit de contrôle d'électrovanne et son procédé de contrôle

Publication

EP 2246626 A1 20101103 (EN)

Application

EP 09159205 A 20090430

Priority

EP 09159205 A 20090430

Abstract (en)

A controlling method for controlling a solenoid valve that has a multi-stage valve, and the multi-stage valve takes a preset time to go from fully close to fully open. The controlling method including: proceeding with an ignition procedure for providing a power supply to the solenoid valve and counting up to a first default time. When the provision time of the power supply to the solenoid valve reaches the first default time, and a sensing signal indicates an extinguishing state, then interrupting the power supply to the solenoid valve. When the interruption time for the power supply reaches a second default time, then restore the power supply to the solenoid valve and re-count up to the first default time. Therein, the sum of the first default time and the second default time is smaller than the preset time. Therefore, a geyser that utilizes the solenoid valve may increase in safety.

IPC 8 full level

F23N 5/24 (2006.01)

CPC (source: EP)

F23N 5/245 (2013.01); **F23N 5/24** (2013.01); **F23N 2227/02** (2020.01); **F23N 2231/12** (2020.01); **F23N 2235/14** (2020.01)

Citation (search report)

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WO2013141689A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

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