

Title (en)

A GAS TAP COMPRISING A STEP MOTOR AND SOLENOID COIL

Title (de)

EIN GASHAHN BESTEHEND AUS EINEM SCHRITTMOTOR UND MAGNETSPULE

Title (fr)

UN ROBINET DE GAZ COMPRENANT UN MOTEUR PAS À PAS ET SOLENOID COIL

Publication

EP 3182005 B1 20190417 (EN)

Application

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Priority

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Abstract (en)

[origin: EP3182005A1] The invention relates to a gas tap having a motor which can be driven by an electronic circuit that provides direct control, i.e. without requiring a transmission element, as well as a solenoid coil connected to the gas inlet in the gas tap body for safety purposes, said gas tap cooperating therewith and having the narrowest height. In standard gas taps with a touch-control system and servo motor implementation used in the state of the art, the user performs burning at the desired power (kW) level. In the system within the state of the art, the servo motor rotates in accordance with the data sent to the electronic card upon the user entering the command that s/he desires, and this rotational movement is transferred to the male located in the standard gas tap by means of the gears disposed on the servo motor, thereby directing gas passage. Subsequent to achieving full gas passage by means of a solenoid coil arranged in the body gas inlet according to the invention, the rotational movement obtained from the motor is transmitted to the male and gas passage at the desired sensitivity is achieved without using any additional transmission element, thanks to the motion that can be driven by an electronic circuit. According to the invention, the motor which can be driven by an electronic circuit can be directly connected to the body. Likewise, said solenoid coil can also be directly connected to the tap body. The invention allows using solenoid coils of different structure and power. Moreover, two-level safety is achieved in the invention by locating the solenoid coil right before the body gas inlet. One of them is the solenoid coil, and the other is the male located in the tap.

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