

Title (en)
Gas valve device and gas stove

Title (de)
Gasventilvorrichtung und Gasherd

Title (fr)
Dispositif de soupape à gaz et cuisinière à gaz

Publication
EP 2407721 A3 20170913 (EN)

Application
EP 11173502 A 20110711

Priority
CN 201010232653 A 20100716

Abstract (en)
[origin: EP2407721A2] A gas valve device (10) and a gas stove are provided. The gas valve device (10) includes at least one gas inlet (5), gas channel, and nozzle (3), in which the gas inlet (5) is in communication with a main gas pipe, one end of the gas channel is in communication with the gas inlet, the other end of the gas channel is in communication with the nozzle (3), the nozzle (3) is used for supplying a burner with gas, a self-opening solenoid valve (1) is disposed in the gas channel, when the self-opening solenoid valve (1) is open, the gas flows to the nozzle through the self-opening solenoid valve (1); and when the self-opening solenoid valve (1) is closed, the gas is not able to flow to the nozzle (3) through the self-opening solenoid valve (1). The gas valve device (10) further includes a control module (8), and the control module (8) is used for controlling the self-opening solenoid valve (1). The intelligent control level of the gas is improved, and the service life of the gas valve device is increased.

IPC 8 full level
F24C 3/12 (2006.01)

CPC (source: EP)
F24C 3/12 (2013.01)

Citation (search report)

- [X] CN 201448884 U 20100505 - GUANGDONG VANWARD NEW ELECTRIC
- [XI] US 5295476 A 19940322 - HERBERT ERIC D [GB]
- [X] US 2006213496 A1 20060928 - KIMBLE JAMES D [US], et al
- [X] JP S59221516 A 19841213 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2005089809 A9 20050428 - REPPER PIERRE P [CA], et al

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CN106931434A; CN103115168A; CN105650693A; WO2014091379A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

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BA ME

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