

Title (en)

FLOW REGULATING VALVE OF GAS STOVE

Title (de)

DURCHFLUSSREGELVENTIL FÜR GASOFEN

Title (fr)

SOUPAPE DE RÉGULATION DE DÉBIT DE CUISINIÈRE À GAZ

Publication

**EP 3779279 A1 20210217 (EN)**

Application

**EP 19191495 A 20190813**

Priority

EP 19191495 A 20190813

Abstract (en)

A flow regulating valve (100), including a valve member (10), a plug member (20), a connecting member (30), a fixed base (40), and a stepper motor (60). The valve member (10) has a chamber (10a) respectively communicating with an inlet hole (10c) and an outlet hole (10b) thereof. The plug member (20) has an axial bore (22) and a flow regulating structure (24), the axial bore (22) corresponding to the outlet hole (10b) and the flow regulating structure (24) corresponding to the inlet hole (10c). The connecting member (30) is disposed at a side of the plug member (20) and at least a part of the connecting member (30) is exposed to the outside. The fixed base (40) has a through hole (46), a wall of which is provided with a first block section (462a) and a second block section (462b). A space is formed between the first block section (462a) and the second block section (462b), and a block (32) of the connecting member (30) is located in the space to limit a rotating angle of the plug member (20). The stepper motor (60) has a rotating shaft (64) connected to the connecting member (30). Whereby, a modular flow regulating valve (100) is formed.

IPC 8 full level

**F23N 1/00** (2006.01); **F23K 5/14** (2006.01)

CPC (source: EP)

**F23K 5/147** (2013.01); **F23N 1/005** (2013.01); **F23K 2900/05002** (2013.01); **F23N 2235/10** (2020.01); **F23N 2235/16** (2020.01); **F23N 2235/24** (2020.01)

Citation (search report)

- [A] EP 3517841 A1 20190731 - GRAND MATE CO LTD [TW]
- [A] EP 3045788 A1 20160720 - MAC VALVES INC [US]
- [A] EP 2520861 A2 20121107 - EMERSON ELECTRIC CO [US]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3779279 A1 20210217; EP 3779279 B1 20220309**

DOCDB simple family (application)

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