

Title (en)
GAS CONTROL VALVE

Title (de)
GASREGELVENTIL

Title (fr)
VANNE DE COMMANDE DE GAZ

Publication
EP 2835583 A4 20151111 (EN)

Application
EP 13772967 A 20130327

Priority
• JP 2012087026 A 20120406
• JP 2013058957 W 20130327

Abstract (en)
[origin: EP2835583A1] Friction between a rotary disk (13) and a fixed disk (14) is prevented from being produced by providing a transmission interruption unit (a stopper (25) and an engaging portion (26)) for interrupting power transmission from a motor (28) to the rotary disk (13) in a safety valve operation range to stop rotation of the rotary disk in the safety valve operation range. Moreover, an adhesion varying unit (a spring member (27) and a carriage lifting-lowering cam unit) for varying adhesion of the rotary disk (13) to the fixed disk (14) is further provided, and the adhesion of the rotary disk (13) to the fixed disk (14) in a flow rate control range is lessened from that in the safety valve operation range, so that friction to be produced between the rotary disk (13) and the fixed disk (14) can be suppressed in the flow rate control range.

IPC 8 full level
F23K 5/00 (2006.01)

CPC (source: EP)
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Citation (search report)
• [XA] JP 2010266151 A 20101125 - RINNAI KK
• See references of WO 2013150934A1

Designated contracting state (EPC)
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EP 2835583 A1 20150211; **EP 2835583 A4 20151111**; **EP 2835583 B1 20200826**; CN 104220811 A 20141217; CN 104220811 B 20161214; ES 2825040 T3 20210514; JP 2013217539 A 20131024; JP 6016418 B2 20161026; KR 102061063 B1 20200220; KR 20150004338 A 20150112; TW 201341695 A 20131016; TW I601898 B 20171011; WO 2013150934 A1 20131010

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