

Title (en)
Gas regulator

Title (de)
Gasregelgerät

Title (fr)
Appareil de régulation de gaz

Publication
EP 2123979 A3 20140827 (DE)

Application
EP 09005857 A 20090428

Priority
DE 102008024843 A 20080523

Abstract (en)
[origin: EP2123979A2] The regulator (10) has a main gas valve (12) including a drive chamber (25) and a gas outlet chamber (26), and closed or opened against servo pressure prevailing in the drive chamber, where the pressure is caused by the spring force of a spring (24) and the gas outlet pressure prevailing in the outlet chamber. A drive chamber (17) of a safety valve (11) and the drive chamber of the gas valve are coupled with each other under interconnection of servo valves (34) e.g. two-way valves that are respectively opened and closed to release and block a gas stream through the safety and gas valves.

IPC 8 full level
F23N 1/00 (2006.01); **F23K 5/00** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP)
F23N 1/005 (2013.01); **F23N 5/245** (2013.01); **F23K 2900/05001** (2013.01); **F23N 2235/16** (2020.01); **F23N 2235/20** (2020.01)

Citation (search report)

- [X] WO 2008012849 A1 20080131 - SIT LA PRECISA SPA [IT], et al
- [A] US 5944257 A 19990831 - DIETIKER PAUL [US], et al
- [A] JP H01174819 A 19890711 - YAMATAKE HONEYWELL CO LTD

Cited by
WO2022183429A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2123979 A2 20091125; **EP 2123979 A3 20140827**; **EP 2123979 B1 20190605**; DE 102008024843 A1 20091126

DOCDB simple family (application)
EP 09005857 A 20090428; DE 102008024843 A 20080523