

Title (en)  
Control device for gas burners

Title (de)  
Regeleinrichtung für Gasbrenner

Title (fr)  
Dispositif de commande pour brûleur à gaz

Publication  
**EP 1382910 A3 20040512 (DE)**

Application  
**EP 03016214 A 20030717**

Priority  
DE 10232647 A 20020718

Abstract (en)  
[origin: EP1382910A2] The device has 2 main valves in series and 2 servovalves operated by an actuator to regulate opening of main valves operated by membranes bounding two gas chambers. The regulator gas inlet and outlet are connected to the first and second main valves' gas chambers respectively. A connection between the first main valve's first and second gas chambers and the second main valve's second gas chamber is made and broken by the first servovalve. The device has two main valves arranged in series and two servovalves (9,29) operated by an actuator to regulate opening of the main valves, which are operated by membranes (3,23) bounding first and second gas chambers (4,5;24,25). The regulator's gas inlet (14) and outlet (15) are connected to the first and second main valves' gas chambers respectively. A connection between the first main valve's first and second gas chambers and the second main valve's second gas chamber can be made and broken by the first servovalve (9).

IPC 1-7  
**F23N 5/24**; **F23N 1/00**

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

CPC (source: EP US)  
**F23N 1/005** (2013.01 - EP US); **F23N 5/245** (2013.01 - EP US); **F23N 2235/14** (2020.01 - EP US); **F23N 2235/18** (2020.01 - EP US); **F23N 2235/20** (2020.01 - EP US); **Y10T 137/7762** (2015.04 - EP US); **Y10T 137/7764** (2015.04 - EP US); **Y10T 137/7782** (2015.04 - EP US); **Y10T 137/7836** (2015.04 - EP US); **Y10T 137/87917** (2015.04 - EP US)

Citation (search report)

- [A] DE 10018757 A1 20011018 - KROMSCHROEDER AG G [DE]
- [A] DE 4038445 A1 19920611 - KROMSCHROEDER AG G [DE]
- [A] DE 8430657 U1 19850117
- [AD] DE 10026035 A1 20011206 - HONEYWELL BV [NL]

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DOCDB simple family (publication)  
**EP 1382910 A2 20040121**; **EP 1382910 A3 20040512**; **EP 1382910 B1 20091028**; AT E447141 T1 20091115; DE 10232647 A1 20040205; DE 10232647 B4 20040513; DE 50312064 D1 20091210; US 2004055651 A1 20040325; US 7066203 B2 20060627

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**EP 03016214 A 20030717**; AT 03016214 T 20030717; DE 10232647 A 20020718; DE 50312064 T 20030717; US 62209703 A 20030717