

Title (en)

Control valve assembly for controlling gas flow in gas combustion systems

Title (de)

Steuerventilanordnung zur Regelung der Brennstoffzufuhr in einem Verbrennungssystem

Title (fr)

Arrangement de vanne de commande pour contrôler le débit de carburant dans un appareil de combustion

Publication

**EP 1640664 A3 20060712 (EN)**

Application

**EP 05255503 A 20050908**

Priority

US 94271704 A 20040916

Abstract (en)

[origin: EP1640664A2] A control valve assembly (22) includes an inlet (16) for receiving a gas flow and an outlet (20) for providing the gas flow to a gas burner (18). The assembly (22) also includes a positive-shutoff valve (24) for interrupting the gas flow from the inlet (16). A micro electromechanical system (MEMS) valve (26) is coupled in series to the positive-shutoff valve (24) between the inlet (16) and the outlet (20) for regulating the gas flow from the inlet (16) to the outlet (20).

IPC 8 full level

**B81B 7/02** (2006.01); **F15C 5/00** (2006.01); **F23N 1/00** (2006.01); **F24C 3/12** (2006.01)

CPC (source: EP US)

**F23N 1/005** (2013.01 - EP US); **F24C 3/12** (2013.01 - EP US); **F23C 2900/03001** (2013.01 - EP US); **F23N 2235/18** (2020.01 - EP US); **F23N 2237/02** (2020.01 - EP US); **F23N 2241/08** (2020.01 - EP US)

Citation (search report)

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