

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 A2 20060329 (EN)

Application

EP 05255503 A 20050908

Priority

US 94271704 A 20040916

Abstract (en)

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

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CPC (source: EP US)

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Cited by

WO2011009793A1; WO2011009794A1; WO2013127838A1; EP2634485A1; CN104136848A; CN102472488A; EA023082B1; DE102011108380B4; US2012111434A1; KR20120046191A; CN102549340A; CN103210256A; US8757203B2; EA020365B1; AU2010275356B2; US8684034B2; US9285053B2

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