

Title (en)
Gas flow control valve.

Title (de)
Gasstromregelventil.

Title (fr)
Soupape de commande de l'écoulement de gaz.

Publication
EP 0496497 A1 19920729 (EN)

Application
EP 92300137 A 19920108

Priority
GB 9101247 A 19910119

Abstract (en)
A gas flow control valve has a valve housing (11) with inlet (14) and outlet (15) interconnected by a valve chamber (12), a seat being defined by the valve chamber (12) intermediate of the inlet (14) and outlet (15), the valve chamber (12) increasing in diameter away from the valve seat (13). A valve member (16) is slidably located coaxially of the valve chamber (12). A first pressure differential actuator has a diaphragm (25) secured to the valve member (16), a fluid tight chamber (30) on one side of diaphragm (25) is connected to the inlet (14), while a chamber (31) on the other side of diaphragm (25) is connected to the outlet (15). A second pressure differential actuator has a diaphragm (46) which controls movement of a plunger (49), a chamber (52) on one side of the diaphragm (46) being connected to atmosphere while chamber (53) on the other side of diaphragm (46) is connected to a controllable vacuum source, the plunger (49) abutting the end of valve member (16) to control movement of the valve member (16) with respect to the seat (13). <IMAGE>

IPC 1-7
F01N 3/22; **G05D 7/00**

IPC 8 full level
F01N 3/22 (2006.01)

CPC (source: EP)
F01N 3/22 (2013.01); **F01N 3/227** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0496497 A1 19920729; **EP 0496497 B1 19950118**; DE 69201194 D1 19950302; DE 69201194 T2 19950706; GB 2251917 A 19920722; GB 9101247 D0 19910227

DOCDB simple family (application)
EP 92300137 A 19920108; DE 69201194 T 19920108; GB 9101247 A 19910119