

Title (en)
DIFFERENTIAL PRESSURE GAS FLOW MEASURING DEVICE

Title (de)
GASFLUSSMESSVORRICHTUNG MIT DIFFERENTIALDRUCK

Title (fr)
DISPOSITIF DE MESURE DE DÉBIT DE GAZ À PRESSION DIFFÉRENTIELLE

Publication
EP 2812615 A1 20141217 (EN)

Application
EP 13702493 A 20130206

Priority

- NL 2008249 A 20120207
- EP 2013052301 W 20130206

Abstract (en)
[origin: WO2013117577A1] A gas flow measuring device (101) has a housing (121, 123) comprising a gas inlet (124) and a gas outlet (122). A valve with an adjustable restriction (103) and an actuator (107) for adjusting the restriction (103) is arranged between the gas inlet (124) and the gas outlet (122) for restricting the gas flow from the gas inlet (124) to the gas outlet (122). The restriction (103) comprises a substantially circular-shaped rotatable disc (105) having a first and an opposite second disc surface, and at least one disc passage (110); and a mount (106) having a mount surface (126) facing and contacting the first disc surface (116), and a mount passage (111). At least one of the first disc surface (116) and the mount surface (126) comprises a ring-shaped area (130) extending above the surface thereof contacting the other one of the first disc surface (116) and the mount surface (126). The mount (106) further comprises a ring-shaped part (104) contacting the second disc surface (112).

IPC 8 full level
F16K 3/08 (2006.01); **G01F 1/42** (2006.01)

CPC (source: EP)
F16K 3/085 (2013.01); **G01F 1/42** (2013.01)

Citation (search report)
See references of WO 2013117577A1

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