Title (en)
  GAS REGULATOR FITTING

Title (de)
  GASREGELARMATUR

Title (fr)
  DISPOSITIF DE RÉGLAGE DE GAZ

Publication
  EP 2404113 A2 20120111 (DE)

Application
  EP 10708916 A 20100301

Priority
  • EP 2010001246 W 20100301
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Abstract (en)
  [origin: CA2753815A1] A gas regulator fitting shall be provided that prevents distortions of the temperature value to be regulated which are caused by ambient temperature fluctuations. Retrofitting without intervention into the gas-conducting space shall also be allowed. To this end, one or more bimetal discs (17) are arranged outside of the gas-conducting space of the gas regulator fitting, between an operating element (18) for setting the desired temperature and a longitudinally movable ram (8), the position of which can be altered by way of a metal bellows (9) which is connected to a temperature sensor (11) via a capillary line (10). The ram (8) protrudes into the gas-conducting space and actuates a switch which controls a valve for regulating the gas stream to the main burner. The bimetal discs (17) are arranged such that the total height thereof, which is altered in the direction of movement of the ram (8) depending on the ambient temperature, can influence the position of the metal bellows (9).

IPC 8 full level
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CPC (source: EP US)
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  See references of WO 2010099915A2

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