

Title (en)
IGNITION AND FEEDING DEVICE FOR GAS RADIATORS

Publication
EP 0111609 B1 19870923 (FR)

Application
EP 82402282 A 19821214

Priority
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Abstract (en)

[origin: EP0111609A1] 1. Claims for the contracting states : AT, BE, CH, DE, GB, IT, LI, NL, SE. System for lighting and supplying gas infrared radiators, of a type comprising : . an apparatus, called upstream distribution apparatus (6), designed to be connected to a gas outlet so as to deliver gas in a pressure range, P_i , corresponding to the heating levels, . a safety valve (20) located in the vicinity of the radiator (1) and whose outlet is connected to the radiator by a gas injection pipe (22), the said valve being provided with a device holding the valve flap in the open position, the said device being slaved to a temperature sensor (21), . a pilot light (27), mounted on the radiator so as to enable it to be relit and linked to the temperature sensor (21) with a view to maintaining the safety valve (20) in its open position when the pilot light is lit, . gas piping (4) stretching from the upstream distribution apparatus (6) to the inlet of the safety valve (20), The said system being characterized in that it comprises : . upstream pressure-reducing apparatus (14), bypassing the upstream distribution apparatus (6), and designed to deliver the gas to the inlet of the piping (4) at a pressure, p_v , less than the pressures, P_i , of the heating levels, . a selector valve (24), mounted on the injection pipe (22) between the safety valve (20) and the radiator (1) and designed to be opened at pressures equal to or greater than the pressures, P_i , and closed at pressure p_v , . a pilot light pipe (25), mounted in parallel to the injection pipe (22) at the outlet of the safety valve (20) in order to connect the latter to the pilot light (27), this pilot light pipe (25) comprising downstream pressure reducing apparatus (26) designed to regulate the pressure at the pilot light to a very approximately constant value. 1. Claims for the contracting state : FR. System for lighting and supplying gas infrared radiators, of a type comprising : . an apparatus, called upstream distribution apparatus (6), designed to be connected to a gas outlet so as to deliver gas in a pressure range, P_i , corresponding to the heating levels, . a safety valve (20) located in the vicinity of the radiator (1) and whose outlet is connected to the radiator by a gas injection pipe (22), the said valve being provided with a device holding the valve flap in the open position, the said device being slaved to a temperature sensor (21), . a pilot light (27), mounted on the radiator so as to enable it to be relit and linked to the temperature sensor (21) with a view to maintaining the safety valve (20) in its open position when the pilot light is lit, . gas piping (4) stretching from the upstream distribution apparatus (6) to the inlet of the safety valve (20), . upstream pressure-reducing apparatus (14), bypassing the upstream distribution apparatus (6), and designed to deliver the gas to the inlet of the piping (4) at a pressure, p_v , less than the pressures, P_i , of the heating levels, . a selector valve (24), mounted on the injection pipe (22) between the safety valve (20) and the radiator (1) and designed to be opened at pressures equal to or greater than the pressures, P_i , and closed at pressure p_v , . a pilot light pipe (25), mounted in parallel to the injection pipe (22) at the outlet of the safety valve (20) in order to connect the latter to the pilot light (27), this pilot light pipe (25) comprising downstream pressure-reducing apparatus (26) designed to regulate the pressure at the pilot light to a very approximately constant value, the said system wherein the pilot light associated with each infrared radiator comprises a mini infrared emitter integrated in the said radiator.

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Cited by
EP1241410A3; EP0549416A1; FR2685447A1

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