

Title (en)

APPARATUS FOR INJECTING FUEL INTO THE COMBUSTION CHAMBER OF AN INTERNAL-COMBUSTION ENGINE

Publication

**EP 0244619 B1 19890628 (DE)**

Application

**EP 87104392 A 19870325**

Priority

DE 3614226 A 19860426

Abstract (en)

[origin: EP0244619A1] 1. Apparatus for injecting fuel into the combustion chamber of an internal-combustion engine, having an injection nozzle and a following flow element which has a sleeve-shaped ceramic element (30) which forms a passage (32) for the fuel spray jets (34) and supports an electric heater element (40), the two terminals (42, 46) of which are connected to laminar contact elements (44, 48) which are arranged fixed on a ring collar (36) of the ceramic element (30) and of which one is in contact with the nozzle element (10) of the injection nozzle and the other with an electric lead (66) insulated relative to the injection nozzle, and also having a spring ring (70) clamped between the nozzle element (10) and the ring collar (36) of the ceramic element (30) which seals the ring gap between these parts, characterized in that the first contact element (44) which is connected to one terminal (42) of the heater element (40) is arranged on the lower ring side of the ring collar (36) on the ceramic element (30) facing away from the nozzle element (10) and is connected to the electric lead (66) by a conductor element (60, 62) which bypasses insulated the second contact element (48) which is connected to the other terminal (46) of the heater element (40) and which is arranged in known manner on the upper end face of the ring collar (36) on the ceramic element (30) which faces the nozzle element (10) and is in contact with the nozzle element (10) via the spring ring (70).

IPC 1-7

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IPC 8 full level

**F02M 53/06** (2006.01); **F02M 57/00** (2006.01); **F23Q 7/00** (2006.01)

CPC (source: EP)

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