

Title (en)

DEVICE FOR INJECTING FUEL INTO THE COMBUSTION CHAMBER OF AN INTERNAL COMBUSTION ENGINE

Publication

**EP 0267199 B1 19891011 (DE)**

Application

**EP 87900647 A 19870114**

Priority

DE 3615636 A 19860509

Abstract (en)

[origin: WO8706978A1] The device comprises an incandescent helix (22, 92) downstream of the injection nozzle and tapering outward in the direction of the combustion chamber. The helix is surrounded by a sleeve (30, 96) which secures the final turn (88, 93) of the incandescent helix (22, 92) on the chamber side and supports a contact ring disc (46, 98) to which the other final turn (86, 94) of the incandescent helix (22, 92) is secured. The final turn (88, 93) on the chamber side is applied against an annular step (90, 107) of the sleeve (30, 96) facing the chamber, which surrounds a through-passage (91, 106) the internal diameter of which is smaller than the external diameter of the final turn (88, 93) on the chamber side, yet larger than the outer diameter of the other turns of the incandescent body (22, 92). In this way, the incandescent helix (22, 92) can still be inserted and connected when the contact ring disc (46, 98) is already attached to the sleeve (30, 96) and forms with the latter a prefabricated unit.

IPC 1-7

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IPC 8 full level

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