

Title (en)

IGNITION BURNER IN A DEVICE FOR BURNING SOLID PARTICLES IN THE EXHAUST GAS OF INTERNAL COMBUSTION ENGINES

Publication

**EP 0309723 B1 19900816 (DE)**

Application

**EP 88113542 A 19880820**

Priority

DE 3732491 A 19870926

Abstract (en)

[origin: JPH01114607A] PURPOSE: To improve useful life of an incandescent plug and to form a burner flame free of soot by a constitution wherein a fuel supply conduit ends in an opening pipe piece projecting radially into an incandescent plug holding chamber and an outflow opening of the opening pipe piece is in close proximity to a protective sleeve. CONSTITUTION: A pilot burner has a hollow-cylindrical mixture forming chamber 10 and an incandescent plug holding chamber 11. An incandescent plug 22 projects, with an incandescent coil 25, to the vicinity of a hole 12 of the mixture forming chamber 10. The part of the incandescent coil 25 of the incandescent plug 22 is surrounded coaxially at a radial distance by a protective sleeve 26. An opening pipe piece 27 of an air supply conduit 18 projects radially into the incandescent plug holding chamber 11. An outflow opening 29 of the opening pipe piece is positioned just in front of the outer wall of the protective sleeve 26. According to this constitution, formation of mixture is improved by the protective sleeve 26 being heated, even when the incandescent plug is cut off temporarily. Moreover, the direct contact of the incandescent coil 25 of the incandescent plug 22 with fuel is avoided and carbonization of the incandescent coil is prevented.

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**F01N 3/38**

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Cited by

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