

Title (en)

DEVICE FOR THE REMOVAL OF COMBUSTIBLE PARTICLES FROM THE EXHAUST GAS OF A COMBUSTION ENGINE

Publication

EP 0215205 B1 19890503 (DE)

Application

EP 86108625 A 19860625

Priority

DE 3526074 A 19850720

Abstract (en)

[origin: US4672808A] An apparatus for the burning of solid particles, especially soot particles, separated from the exhaust gas from internal combustion engines has a rotationally symmetrical combustion chamber which coaxially adjoins an ignition burner connected with it by a flame transfer orifice. Fuel and air are metered to the ignition burner through an additional-air line and a fuel line and, as a prepared mixture, they are ignited in the ignition burner and enter the combustion chamber through a flame transfer orifice. In the combustion chamber an exhaust gas partial stream enriched with the solid particles is introduced, and, after the solid particles have been consumed together with the additional air put into the combustion chamber, the exhaust gas is then discharged again as cleaned exhaust together with the remaining combustion products through an outlet tube.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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