

Title (en)

FILTERING ARRANGEMENT FOR REMOVING SOOT PARTICLES FROM THE EXHAUST GASES OF A COMBUSTION ENGINE

Publication

EP 0286932 B1 19920617 (DE)

Application

EP 88105338 A 19880402

Priority

DE 3712333 A 19870411

Abstract (en)

[origin: US4872889A] A filter system for removing particulates from exhaust gases of an internal combustion engine, in particular a diesel engine, having at least one filter member formed by filter channels in the configuration of a honeycomb and made of a porous filter material, in which the region of the inlet openings of the filter channels open on the gas intake side, electrical resistance looped heating elements are arranged that are connected via a lead-in and a lead-out to a power supply. A secure positioning of the heating loops in the honeycomb is assured and contact errors are avoided. The loops of the resistance heating elements and/or the loop connections are received in grooves of the filter system in such a manner that they retain their pre-determined position despite vibrations, thermally-induced shape changes and the like. The grooves can be located in the filter member and/or in a cover plate overlying the inlet face of the filter member.

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CPC (source: EP US)

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Cited by

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