

Title (en)

Procedure for regenerating particle filters.

Title (de)

Verfahren zur Regenerierung von Partikelfiltern.

Title (fr)

Procédure pour la régénération de filtres à particules.

Publication

EP 0268026 A1 19880525 (DE)

Application

EP 87112215 A 19870822

Priority

DE 3636967 A 19861030

Abstract (en)

1. A method for regenerating particle filters (11) for the exhaust gases (13) of internal combustion engines by means of a burner with an oil-atomising nozzle and two air-feed devices which can be supplied with air (33, 38) independently of each other, one air-feed device being an air duct (32) provided at the nozzle head (30) of the oil-atomising nozzle, characterised in that scavenging air (33) is conveyed through the air duct (32) on the nozzle head in the intervals in operation of the burner and during operation of the internal combustion engine.

Abstract (de)

Um die Verstopfung von Ölzerstäuberdüse (34) von Brennern (20) zu verhindern, die zur Regenerierung von Partikelfiltern (11) im Abgassystem (10) von Verbrennungsmotoren angeordnet sind, wird vorgeschlagen, an der Ölzerstäuberdüsenöffnung (56) einen Spülluftkanal (32) vorzusehen, durch den Spülluft (33) durchblasbar ist. Die Spülluft verhindert während der Betriebspausen des Brenners den Kontakt der Abgase (13) mit dem Düsenkopf (30) und damit das Ablagern von unverbrannten Bestandteilen an der Düse.

IPC 1-7

F01N 3/02; F23D 11/38

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- US 4581891 A 19860415 - USUI TOSHIFUMI [JP], et al
- US 4615173 A 19861007 - USUI TOSHIFUMI [JP], et al

Citation (search report)

- US 4615173 A 19861007 - USUI TOSHIFUMI [JP], et al
- US 4557108 A 19851210 - TORIMOTO KOICHI [JP]
- EP 0130387 A2 19850109 - MITSUBISHI ELECTRIC CORP [JP]

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