Title (en)

Method and apparatus for regeneration of loaded soot filters

Title (de)

Verfahren und Vorrichtung zur Regeneration von beladenen Russfiltern

Title (fr)

Méthode et dispositif pour régénérer des filtres à suie

Publication

EP 1188907 A3 20040121 (DE)

Application

EP 01120085 A 20010821

Priority

DE 10046452 A 20000918

Abstract (en)

[origin: EP1188907A2] Before passing through the filter the exhaust gas is heated up by heating means (3) and at least one partial stream of exhaust gas inside the exhaust pipe (1) is additionally heated so that the partial stream enters the filter at a higher temperature than the other exhaust gas stream. Independent claim describes regenerating device with heating means (3) in exhaust pipe which divides gas stream into at least two partial streams so that one is additionally heated to higher temperature. The heating means can be made from conductive ceramic. It can be a heating strip (4) set in the region of the exhaust pipe to form split channels.

IPC 1-7

F01N 3/027; F01N 3/023

IPC 8 full level

F01N 3/027 (2006.01)

CPC (source: EP)

F01N 3/027 (2013.01)

Citation (search report)

- [X] US 4535589 A 19850820 - YOSHIDA HITOSHI [JP], et al
- [X] US 4505106 A 19850319 - FRANKENBERG ALFRED A [US], et al
- [X] US 4359862 A 19821123 - VIRK KASHMIR S, et al
- [X] DE 4012719 A1 19911024 - ROGGENKAMP KARL HEINZ [DE], et al
- [X] EP 0266932 A1 19880511 - FORD MOTOR CO [GB], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 173 (M - 232) 30 July 1983 (1983-07-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 025 (M - 190) 2 February 1983 (1983-02-02)
- [X] PATENT ABSTRACTS OF JAPAN vol. 008, no. 136 (M - 304) 23 June 1984 (1984-06-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 012 (M - 186) 19 January 1983 (1983-01-19)
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 106 (M - 213) 10 May 1983 (1983-05-10)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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