

Title (en)

Exhaust system with particle filter and regeneration burner.

Title (de)

Abgassystem mit einem Partikelfilter und einem Regenerierungsbrenner.

Title (fr)

Système d'échappement avec filtre à particules et brûleur de régénération.

Publication

EP 0438682 B1 19940720 (DE)

Application

EP 90123506 A 19901207

Priority

- DE 4002130 A 19900125
- DE 4009201 A 19900322

Abstract (en)

[origin: EP0438682A2] For an exhaust system with a particle filter (12) and a regeneration burner (13) a burner with a flame tube (30) is provided, the hot gas outlet of which is provided in the form of a plurality of openings (34), which are arranged in one or more planes (35), which lie parallel to the inlet face (20) of the particle filter (12). Owing to the division into a plurality of secondary hot gas flows (37), mixing with the exhaust gases (40) is improved in such a way that immediately after the flame tube (30) a practically uniform temperature prevails, as a result of which the particle filter can be arranged very close to the burner (13). <IMAGE>

IPC 1-7

F01N 3/02

IPC 8 full level

F01N 3/02 (2006.01); **F01N 3/025** (2006.01)

CPC (source: EP US)

F01N 3/025 (2013.01 - EP US); **Y10S 55/30** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0438682 A2 19910731; **EP 0438682 A3 19920226**; **EP 0438682 B1 19940720**; AT E108865 T1 19940815; DE 4009201 A1 19910801; DE 59006514 D1 19940825; DK 0438682 T3 19940829; ES 2031055 T1 19921201; ES 2031055 T3 19941016; GR 920300093 T1 19930217; JP H04350315 A 19921204; US 5140814 A 19920825

DOCDB simple family (application)

EP 90123506 A 19901207; AT 90123506 T 19901207; DE 4009201 A 19900322; DE 59006514 T 19901207; DK 90123506 T 19901207; ES 90123506 T 19901207; GR 920300093 T 19930217; JP 620591 A 19910123; US 63959791 A 19910109