

Title (en)  
EXHAUST GAS CLEANING DEVICE FOR DIESEL ENGINES

Publication  
**EP 0357595 B1 19920122 (DE)**

Application  
**EP 87903852 A 19870612**

Priority  
DE 3545437 A 19851220

Abstract (en)  
[origin: DE3545437A1] An exhaust gas cleaning device for diesel engines has an exhaust gas soot filter (2) with a filter body (6) supported in a housing (4). The filter body (6) is regenerated by combustion of the soot when its temperature rises above the middle operating exhaust gas temperature range. Also provided is a burner (26) with a combustion air fan (28) whose hot gas side is connected with the flow through the exhaust gas soot filter (2). The filter (6) is supported in the housing in such a manner that at least a large part of its outer surface is heated externally during operation of the burner (26).

IPC 1-7  
**F01N 3/02**

IPC 8 full level  
**F01N 3/023** (2006.01); **F01N 3/02** (2006.01); **F01N 3/025** (2006.01); **F01N 1/02** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)  
**F01N 3/025** (2013.01); **F01N 1/02** (2013.01); **F01N 2230/02** (2013.01); **F01N 2310/02** (2013.01); **F01N 2330/06** (2013.01); **F01N 2390/00** (2013.01); **F01N 2450/02** (2013.01); **F02B 3/06** (2013.01)

Cited by  
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DE FR GB IT SE

DOCDB simple family (publication)  
**DE 3545437 A1 19870702**; **DE 3545437 C2 19911121**; DE 3776353 D1 19920305; EP 0357595 A1 19900314; EP 0357595 B1 19920122; RU 2009335 C1 19940315; UA 12339 A 19961225; WO 8809865 A1 19881215

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**DE 3545437 A 19851220**; DE 3776353 T 19870612; DE 8700270 W 19870612; EP 87903852 A 19870612; SU 4742860 A 19891212; UA 4742860 A 19891212