

Title (en)  
PARTICLE FILTER SYSTEM

Publication  
**EP 0367280 B1 19920826 (DE)**

Application  
**EP 89120374 A 19891103**

Priority  
DE 3837472 A 19881104

Abstract (en)  
[origin: EP0367280A1] Method for the regeneration of a particle filter of a diesel engine <??>The aim of the method is a particle filter which can be regenerated in all operating points of the diesel engine with the aid of a burner operating in the full flow of the engine exhaust. <??>The solution is achieved by a burner (3) to which fuel and oxygen- containing gas are fed in a variable ratio. As a result, the burner can produce the output required for achieving the regeneration temperature at any operating point of the diesel engine. <??>The method is suitable for diesel engines with thermally regenerable particle filters. <IMAGE>

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

IPC 8 full level  
**F01N 3/02** (2006.01); **F01N 3/025** (2006.01); **F01N 3/30** (2006.01); **F01N 3/36** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)  
**F01N 3/025** (2013.01 - EP US); **F01N 3/30** (2013.01 - EP US); **F01N 3/36** (2013.01 - EP US); **F01N 2240/14** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **Y10S 55/30** (2013.01 - EP US)

Cited by  
EP1939419A1; FR2976020A1; DE102008026477A1; US8844275B2; WO2007113298A1; US8006487B2; US8001773B2; US8020377B2

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