

Title (en)  
DIESEL EXHAUST SYSTEM

Title (de)  
DIESELABGASSYSTEM

Title (fr)  
SYSTÈME D'ÉCHAPPEMENT POUR MOTEUR DIESEL

Publication  
**EP 2087215 A1 20090812 (EN)**

Application  
**EP 07840088 A 20071121**

Priority  
• US 2007024340 W 20071121  
• US 60589506 A 20061129

Abstract (en)  
[origin: US2008120968A1] A exhaust system and method for venting exhaust from an engine, such as a diesel engine, through an exhaust line coupled to the engine includes a first particulate filter disposed in the exhaust line and "close-coupled" with the engine, and a second particulate filter spaced a distance (d) from the first filter. The first particulate filter is "close-coupled" so that it operates in a passive regeneration mode to a greater extent than the second particulate filter. The first particulate filter may be a partial wall-flow filter including some plugged and some open channels. Some of the plugged channels may be plugged adjacent to an inlet end and others may be plugged adjacent to an outlet end. A partial wall-flow filter is also described having some unplugged flow-through channels and some plugged channels wherein some plugged channels are located adjacent to the inlet end and some are located adjacent to the outlet end.

IPC 8 full level  
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CPC (source: EP US)  
**F01N 3/021** (2013.01 - EP US); **F01N 3/0222** (2013.01 - EP US); **F01N 3/0231** (2013.01 - EP US); **F01N 3/031** (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 13/009** (2014.06 - EP US); **F01N 13/0093** (2014.06 - EP US); **F01N 2330/06** (2013.01 - EP US); **F01N 2340/04** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008066767A1

Cited by  
DE102018104140A1; EP3772573A1; IT201900014304A1; US10918987B2; WO2015082892A3; WO2020101965A1; EP3772573B1

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