

Title (en)  
EXHAUST GAS AFTER-TREATMENT SYSTEM

Title (de)  
ABGASNACHBEHANDLUNGSSYSTEM

Title (fr)  
SYSTÈME DE POST-TRAITEMENT DE GAZ D'ÉCHAPPEMENT

Publication  
**EP 2399012 A1 20111228 (EN)**

Application  
**EP 10707152 A 20100219**

Priority  
• US 2010024710 W 20100219  
• US 15454409 P 20090223

Abstract (en)  
[origin: WO2010096641A1] An exhaust gas after-treatment system (10) for a gasoline engine (12) has a three-way catalyst (14) close-coupled to the gasoline engine, a particulate matter control device (18) positioned downstream of the three-way catalyst, a NOx control system (16) positioned downstream of the particulate matter control device. According to one method of operation, the gasoline engine is operated in a stoichiometric condition upon start-up of the engine, the exhaust gas flow generated by the engine is conducted through the exhaust system, and then the gasoline engine (12) is operated in a lean-burn condition after the NOx control system (16) attains a minimum operating temperature.

IPC 8 full level  
**F01N 3/033** (2006.01); **F01N 3/08** (2006.01); **F01N 3/20** (2006.01); **F01N 13/02** (2010.01); **F01N 13/04** (2010.01)

CPC (source: EP US)  
**F01N 3/033** (2013.01 - EP US); **F01N 3/0814** (2013.01 - EP US); **F01N 3/0821** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **F01N 13/009** (2014.06 - EP US); **F01N 13/011** (2014.06 - EP US); **F01N 2250/02** (2013.01 - EP US); **F01N 2250/12** (2013.01 - EP US); **F01N 2250/14** (2013.01 - EP US); **F01N 2570/10** (2013.01 - EP US); **F01N 2570/12** (2013.01 - EP US); **F01N 2570/14** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010096641A1

Designated contracting state (EPC)  
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