

Title (en)  
EXHAUST GAS PROCESSING SYSTEM FOR DIESEL ENGINE

Title (de)  
ABGASNACHBEHANDLUNGSSYSTEM FÜR EINEN DIESEL VERBRENNUNGSMOTOR

Title (fr)  
SYSTEME DE TRAITEMENT DES GAZ D'ÉCHAPPEMENT D'UN MOTEUR DIESEL

Publication  
**EP 3517749 B1 20200422 (EN)**

Application  
**EP 19153575 A 20190124**

Priority  
CN 201810082715 A 20180129

Abstract (en)  
[origin: EP3517749A1] An exhausted gas processing system for a diesel engine is provided. The exhausted gas processing system includes: a low temperature heater, arranged at downstream of an exhaust pipe of the diesel engine; and a particulate trap, connected with the low temperature heater. The low temperature heater includes: a housing; a glow plug, fixed to the housing via a glow plug seat; a combustion chamber including an open end and a closed end, where a sidewall of the combustion chamber close to the closed end is connected to the glow plug seat and fixed in the housing via the glow plug seat; and an intake pipe, where fresh air is inputted through the intake pipe, an outlet end of the intake pipe is fixed to the sidewall of the combustion chamber, arranged between the glow plug seat and the open end, and extends into the combustion chamber. A centerline of the outlet end of the intake pipe is eccentrically arranged with respect to a centerline of the combustion chamber, so that fresh air inputted from the intake pipe flows along the sidewall of the combustion chamber.

IPC 8 full level  
**F01N 3/10** (2006.01); **F01N 3/021** (2006.01); **F01N 3/025** (2006.01); **F01N 3/027** (2006.01)

CPC (source: EP)  
**F01N 3/021** (2013.01); **F01N 3/025** (2013.01); **F01N 3/0256** (2013.01); **F01N 3/027** (2013.01); **F01N 3/103** (2013.01); **F01N 2240/14** (2013.01); **F01N 2240/16** (2013.01); **F01N 2240/20** (2013.01)

Cited by  
CN111412039A; CN112627943A; CN114922716A; CN110905631A; CN112796856A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3517749 A1 20190731; EP 3517749 B1 20200422**

DOCDB simple family (application)  
**EP 19153575 A 20190124**