

Title (en)

AGR SYSTEM WITH A PARTICLE FILTER FOR AN OTTO ENGINE

Title (de)

AGR-SYSTEM MIT PARTIKELFILTER FÜR OTTOMOTOR

Title (fr)

SYSTÈME RGE COMPORTANT UN FILTRE À PARTICULES POUR UN MOTEUR À ESSENCE

Publication

EP 3234334 A1 20171025 (DE)

Application

EP 15820832 A 20151217

Priority

- DE 102014118813 A 20141217
- DE 102015108224 A 20150526
- EP 2015080322 W 20151217

Abstract (en)

[origin: US2016177887A1] An exhaust gas recirculation system for a gasoline engine with an exhaust gas pipe connectible to an outlet manifold of a gasoline engine, with an inlet pipe connectible to an inlet manifold of a gasoline engine, whereas a main exhaust catalyst is provided within the exhaust gas pipe, wherein at least one first exhaust gas recirculation pipe is provided which branches off from the exhaust gas pipe and ends in the inlet pipe, whereas at least one particle filter is positioned within the first exhaust gas recirculation pipe and/or within the exhaust gas pipe upstream of the first exhaust gas recirculation pipe, whereas optionally a turbine is provided within the exhaust gas pipe, whereas as an alternative to the first exhaust gas recirculation pipe or in addition to the first exhaust gas recirculation pipe at least a second exhaust gas recirculation pipe is provided which branches off from the exhaust gas pipe and ends in the inlet pipe, whereas at least one particle filter is provided which is positioned within the second exhaust gas recirculation pipe and/or which is positioned within the exhaust gas pipe upstream of the second exhaust gas recirculation pipe.

IPC 8 full level

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CPC (source: CN EP US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014118813 A1 20160623; CN 107110073 A 20170829; CN 107110073 B 20201127; EP 3234334 A1 20171025; US 10458368 B2 20191029; US 2016177887 A1 20160623; WO 2016097197 A1 20160623

DOCDB simple family (application)

DE 102014118813 A 20141217; CN 201580067174 A 20151217; EP 15820832 A 20151217; EP 2015080322 W 20151217; US 201514721256 A 20150526