

Title (en)

EXHAUST-GAS RECIRCULATION FILTER, INTERNAL COMBUSTION ENGINE

Title (de)

ABGASRÜCKFÜHRFILTER, BRENNKRAFTMASCHINE

Title (fr)

FILTRE DE RECIRCULATION DE GAZ D'ÉCHAPPEMENT, MOTEUR À COMBUSTION INTERNE

Publication

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Application

EP 11763709 A 20110930

Priority

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- EP 2011067085 W 20110930

Abstract (en)

[origin: WO2012045673A1] The present invention relates to an internal combustion engine (1), in particular of a motor vehicle, having at least one fresh air line (6) for supplying fresh air to cylinders (4) of the internal combustion engine (1), having at least one exhaust line (11) for discharging exhaust gas from the cylinders (4), having at least one exhaust-gas recirculation line (16) which fluidically connects the exhaust line (11) to the fresh air line (6), having an exhaust-gas recirculation cooler (19) which is arranged in the exhaust-gas recirculation line (16), and having a filter element (29) which is arranged in the exhaust-gas recirculation line (16) and which serves for filtering out particles entrained in the recirculated exhaust gas. The efficiency of the exhaust-gas recirculation can be improved if the filter element (29) in the exhaust-gas recirculation line (16) is arranged downstream of the exhaust-gas recirculation cooler (19).

IPC 8 full level

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Citation (search report)

See references of WO 2012045673A1

Citation (examination)

- US 2010170231 A1 20100708 - YAMAGUCHI JUNICHI [JP]
- WO 2009128969 A1 20091022 - CUMMINS FILTRATION IP INC [US], et al

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