

Title (en)
Method to regenerate a particulate filter

Title (de)
Verfahren zur Regeneration eines Partikelfilters

Title (fr)
Méthode de régénération d'un filtre à particule

Publication
EP 1744042 A1 20070117 (EN)

Application
EP 05106289 A 20050711

Priority
EP 05106289 A 20050711

Abstract (en)
The Invention relates to a Method to regenerate a particulate filter, in particular a Diesel particulate filter (DPF), whereby the particulate filter is arranged in an exhaust passage for receiving an exhaust gas from an internal combustion engine, in particular from a Diesel engine, whereby the particulate filter traps particulates contained in the exhaust gas, so that soot is collected inside the particulate filter. The method comprises the steps of (i) initiating an ignition of soot inside the particulate filter, and (ii) actuating a reduction of the exhaust gas mass flow through the filter, preferentially together with increasing concentration of oxygen in the exhaust gas, for example by means of using engine operating conditions with lighter load, whereby the steps (i) and (ii) can be repeated several times with a determined frequency so that a desired degree of filter regeneration is achieved.

IPC 8 full level
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Citation (search report)
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