

Title (en)

METHOD FOR PROTECTING A PARTICULATE FILTER IN AN EXHAUST LINE DURING REGENERATION

Title (de)

VERFAHREN ZUM SCHUTZ EINES PARTIKELFILTERS IN EINER ABGASLEITUNG WÄHREND DER REGENERATION

Title (fr)

PROCEDE DE PROTECTION D'UN FILTRE A PARTICULES DANS UNE LIGNE D'ECHAPPEMENT PENDANT UNE REGENERATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2019048754A1] The invention relates to a method for protecting a particulate filter in an exhaust line against the risk of at least partial melting (Fus) of the filter during filter regeneration, an initial increase in the temperature in the filter, required for the start of regeneration, being obtained by cutting off (CI) the injection of fuel to the engine. The time (CdCoup) for which injection is cut off (CI) is measured, and the maximum authorised cut-off time (tmax) is estimated, as is the presence of the risk of melting (Fus) of the filter, estimated according to a temperature (T °amont) upstream of the filter and an estimated charge of particulate soot (CharSu) in the filter. When the measured duration of the injection cut-off (CI) exceeds (tautD) the maximum time (tmax) and a risk of melting (Fus) is present (LimF), the injection cut-off (CI) is inhibited (DinCinj).

IPC 8 full level

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