

Title (en)
CONTROLLING HYDROCARBON INJECTION FOR FILTER REGENERATION

Title (de)
STEUERUNG DER KOHLENWASSERSTOFFINJEKTION FÜR FILTERREGENERATION

Title (fr)
COMMANDE D'INJECTION D'HYDROCARBURES POUR RÉGÉNÉRATION DE FILTRE

Publication
EP 2625396 A1 20130814 (EN)

Application
EP 10858215 A 20101004

Priority
US 2010051271 W 20101004

Abstract (en)
[origin: WO2012047192A1] A method for providing hydrocarbons to an engine exhaust for regenerating a diesel particulate filter within an exhaust system of a diesel engine is provided. The diesel engine comprises an electronic control module, at least one cylinder, and at least one fuel injector in fluid communication with the at least one cylinder, and a diesel oxidation catalyst within the exhaust system. Temperature of a diesel oxidation catalyst output is monitored with an electronic control module. A total amount of hydrocarbons required for diesel particulate filter regeneration is calculated based upon the monitoring of the temperature of the diesel oxidation catalyst output. The total amount of hydrocarbons is injected into an exhaust system upstream of a diesel oxidation catalyst and at least one cylinder with a fuel injector as a post injection.

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Citation (search report)
See references of WO 2012047192A1

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