

Title (en)  
ENGINE COOLING AND EXHAUST GAS TEMPERATURE CONTROLS FOR DIESEL AFTER-TREATMENT REGENERATION

Title (de)  
MOTORKÜHLUNGS- UND ABGASTEMPERATURSTEUERUNGEN ZUR DIESELNACHBEHANDLUNGSREGENERATION

Title (fr)  
RÉGULATIONS DE TEMPÉRATURE DE REFROIDISSEMENT DU MOTEUR ET DE GAZ D'ÉCHAPPEMENT POUR UNE RÉGÉNÉRATION POST-TRAITEMENT DE DIESEL

Publication  
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Application  
**EP 07840114 A 20071214**

Priority  
US 2007061778 W 20071214

Abstract (en)  
[origin: WO2009078847A1] System, methods, and strategies for regulating charge air temperature in an intake manifold of an internal combustion engine (50) by controlling the flow rate and temperature of liquid engine coolant flowing through a liquid flow path of a charge air cooler (72) that is in heat exchange relationship with charge air entering the intake manifold over a range that provides for the charge air to be selectively heated and cooled by liquid engine coolant. The invention provides flexible control that is useful in controlling exhaust gas temperature for regeneration and/or efficiency restoration of exhaust after-treatment devices (66) as well as improved engine performance.

IPC 8 full level  
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Citation (search report)

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- See also references of WO 2009078847A1

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