

Title (en)
EXHAUST GAS BRAKE CONTROL

Title (de)
ABGASBREMSSTEUERUNG

Title (fr)
COMMANDE DE FREIN PAR GAZ D'ÉCHAPPEMENT

Publication
EP 2016268 A4 20150114 (EN)

Application
EP 07748425 A 20070424

Priority
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Abstract (en)
[origin: WO2007129970A1] The invention relates to obstruction of the exhaust gasses from an internal combustion engine of a vehicle, such that during the engine's exhaust stroke a brake torque is accomplished, which counteracts a drive torque produced during the engine's combustion phase. An adjustable valve in an exhaust conduit from the engine is controlled in response to a control signal. A set value designating a desired brake torque is received (410), an exhaust gas pressure in the exhaust conduit is registered (420), an input pressure in an air intake to the engine is also registered (430) as well as an engine parameter reflecting a speed of the engine (440). Then, a reference parameter is generated (450) in response to the input pressure engine parameter, the engine speed and either of the set value or the exhaust gas pressure. Finally, the control signal is produced (460) based on the reference parameter and either of the exhaust gas pressure or the set value.

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Citation (search report)
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• [Y] DE 19808832 A1 19990909 - DAIMLER CHRYSLER AG [DE]
• [A] US 2002174654 A1 20021128 - YANG ZHOU [US]
• See also references of WO 2007129970A1

Designated contracting state (EPC)
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