

Title (en)

METHOD AND DEVICE FOR INCREASING THE ENGINE BRAKE POWER OF A RECIPROCATING PISTON INTERNAL COMBUSTION ENGINE OF A VEHICLE, PARTICULARLY OF A DIESEL ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STEIGERN DER MOTORBREMSLEISTUNG EINER HUBKOLBEN-VERBRENNUNGSMASCHINE EINES FAHRZEUGS, INSBESONDERE EINES MOTORS IN DIESELAUSFÜHRUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR AUGMENTER LA PUISSANCE DE FREINAGE MOTEUR D'UN MOTEUR À COMBUSTION INTERNE À PISTON ALTERNATIF DANS UN VÉHICULE, EN PARTICULIER D'UN MOTEUR DIESEL

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Application

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Priority

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Abstract (en)

[origin: WO2008155111A1] A method for increasing an engine brake power of a reciprocating piston internal combustion engine of a vehicle, particularly of a diesel engine (1), comprising at least one cylinder (20) with at least one inlet valve (21) and one outlet valve (27) each, a turbine (3), a compressor (4), an air compressor (11), at least one storage device (10, 14), one charge air line (6) and one control device (16), a charge-air line (6) and a control device (16), is characterized by the following procedural steps: Compressing of air from a charge air line (6) or from a second air inlet (31) by the air compressor (11); storing of the air compressed by the air compressor (11) in the at least one storage device (10, 14); and injecting of injection air (25), in a clocked manner, which is stored as compressed air in the at least one storage device (10, 14) and/or is delivered directly from the air compressor (11) into the cylinder (20) in order to increase the compression work so as to enhance the engine brake power during a braking process. The invention also relates to a device for carrying out said method.

IPC 8 full level

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Citation (search report)

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