

Title (en)

A SYSTEM FOR EXHAUST GAS RECIRCULATION, ENGINE, USE OF A SYSTEM FOR EXHAUST GAS RECIRCULATION, METHOD FOR EXHAUST GAS RECIRCULATION AND DIESEL EXHAUST COMPOSITION

Title (de)

SYSTEM ZUR ABGASRÜCKFÜHRUNG, MOTOR, VERWENDUNG EINES SYSTEMS ZUR ABGASRÜCKFÜHRUNG, VERFAHREN ZUR ABGASRÜCKFÜHRUNG UND DIESELABGASZUSAMMENSETZUNG

Title (fr)

SYSTÈME POUR RECIRCULATION DE GAZ D'ÉCHAPPEMENT, MOTEUR, UTILISATION D'UN SYSTÈME POUR RECIRCULATION DE GAZ D'ÉCHAPPEMENT, PROCÉDÉ POUR RECIRCULATION DE GAZ D'ÉCHAPPEMENT ET COMPOSITION D'ÉCHAPPEMENT DE DIESEL

Publication

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Application

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Priority

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- EP 2015051757 W 20150129

Abstract (en)

[origin: WO2015135685A1] A system (1) for exhaust gas recirculation which is arrangeable between an exhaust outlet (2) and an air inlet (3) of an engine, preferably a two-stroke engine. The system comprises a first turbocharger (4) in a first functional duct (5) between exhaust outlet (2) and air inlet (3) and a second turbocharger (6) in a second functional duct (7) between exhaust outlet (2) and air inlet (3). The first and the second turbochargers (4,6) are separate and arranged in parallel, preferably the first and the second functional ducts (5,7) are separate and arranged in parallel. The system further comprises an exhaust gas cleaning device (8) arranged in an air duct (9) arranged between exhaust outlet (2) and air inlet (3), and a control unit for controlling the functional status of the system (1). The air duct (9) is arranged at least partially in parallel to the second functional duct (7) and the control unit is configured such that it controls a first entry valve (10) arranged in the air duct (9) upstream the exhaust gas cleaning device (8) and a second entry valve (11) arranged upstream the second turbocharger (6) in a way that both entry valves (10,11) can simultaneously assume an at least partially open position.

IPC 8 full level

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