Title (en)

SYSTEM FOR SUPERCHARGING THE INTAKE GASES AND FOR RECIRCULATING THE EXHAUST GASES OF AN ENGINE AND ASSOCIATED CONTROL METHOD

Title (de)

SYSTEM ZUR AUFLADUNG DER EINLASSGASE UND ZUR RÜCKFÜHRUNG DER ABGASE EINES VERBRENNUNGSMOTORS UND ZUGEHÖRIGES STEUERUNGSVERFAHREN

Title (fr)

SYSTÈME DE SURALIMENTATION DES GAZ D'ADMISSION ET DE RECIRCULATION DES GAZ D'ÉCHAPPEMENT D'UN MOTEUR ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication

EP 2954189 A1 20151216 (FR)

Application

EP 14708617 A 20140204

Priority

- FR 1351054 A 20130207
- FR 2014050200 W 20140204

Abstract (en)

[origin: WO2014122389A1] The invention concerns a system (3) for supercharging the intake gases and for recirculating the exhaust gases of an engine (1), comprising: a supercharging circuit (5) comprising a turbocharger (9) to be driven by the exhaust gases from at least a first cylinder (2a, 2b, 2c) of the engine (1); a recirculating circuit (7) for the exhaust gases from at least a second cylinder (2d); and an exhaust gas-orienting device (25) which is connected to the two circuits (5 and 7) and is intended to be connected to an exhaust line (23) of the engine (1) so as to control an amount of exhaust gas placed in communication between the supercharging circuit (5), the recirculating circuit (7) and the exhaust line (23) of the engine (1).

IPC 8 full level

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CPC (source: EP US)

F02B 29/08 (2013.01 - US); **F02B 33/40** (2013.01 - US); **F02B 37/183** (2013.01 - EP US); **F02M 26/43** (2016.02 - EP US); Y02T 10/12 (2013.01 - EP US)

Citation (search report)

See references of WO 2014122389A1

Citation (examination)

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DOCDB simple family (application)

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