

Title (en)

SYSTEM FOR INJECTING AIR INTO A GAS EXHAUST CIRCUIT OF A SUPERCHARGED HEAT ENGINE

Title (de)

SYSTEM ZUM EINBLASEN VON LUFT IN EINEN GASAUSSLASSKREISLAUF EINER AUFGELADENEN WÄRMEKRAFTMASCHINE

Title (fr)

SYSTÈME D'INJECTION D'AIR DANS UN CIRCUIT D'ÉCHAPPEMENT DE GAZ D'UN MOTEUR THERMIQUE SURALIMENTÉ

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Application

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Abstract (en)

[origin: WO2018083400A1] The invention relates to a supercharged heat engine (1) comprising an intake gas intake circuit (2) connected to an intake inlet to the engine cylinders (10, 12, 14, 16) and an exhaust circuit (3) connected to an exhaust outlet from the cylinders, the intake circuit comprising a turbocharger compressor (21) and the exhaust circuit comprising, on one hand, a turbocharger turbine (31) rotationally coupled to the compressor (21) and, on the other hand, a system (32) for aftertreatment of the exhaust gases at the outlet from the turbine (31), said intake circuit (2) comprising an additional compressor (25) having an outlet (27) connected to an intake gas injection pipe (40) connecting the intake circuit (2) downstream of the additional compressor (25) to the exhaust circuit (3) upstream of the exhaust gas aftertreatment system (32) and the additional compressor (25) is arranged in the intake circuit (2) downstream of the compressor (21).

IPC 8 full level

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