

Title (en)

METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE OF A MOTOR VEHICLE, AND INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BETREIBEN EINER VERBRENNUNGSKRAFTMASCHINE EINES KRAFTFAHRZEUGS SOWIE
VERBRENNUNGSKRAFTMASCHINE

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN MOTEUR À COMBUSTION INTERNE D'UN VÉHICULE MOTORISÉ, ET MOTEUR À COMBUSTION
INTERNE

Publication

EP 4196670 A1 20230621 (DE)

Application

EP 21748835 A 20210722

Priority

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Abstract (en)

[origin: WO2022033827A1] The invention relates to a method for operating an internal combustion engine (10) of a motor vehicle, in which method the internal combustion engine (10) has an intake section (20), through which air can flow and via which at least one combustion chamber of the internal combustion engine (10) can be supplied with the air, a compressor (24) arranged in the intake section (20) with a compressor housing (32) and a compressor impeller (28) arranged rotatably in the compressor housing (32), and a line element (36) which is connected fluidically to the intake section (20) at a first connection point (V1) arranged upstream of the compressor impeller (28) and at a second connection point (V2) arranged downstream of the compressor impeller (28), wherein, in order to heat at least the compressor housing (32), the internal combustion engine (10) is operated in a heating mode, in which air is branched off from the intake section (20) at the second connection point (V2), is introduced into the line element (36), is returned to the first connection point (V1) by means of the line element (36), and is introduced into the intake section (20) at the first connection point (V1).

IPC 8 full level

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See references of WO 2022033827A1

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