

Title (en)

AIR-INTAKE LINE FOR A COMBUSTION ENGINE, ASSOCIATED CASING FOR AN AIR FILTER, AND MOTOR VEHICLE COMPRISING SUCH A LINE

Title (de)

LUFTANSAUGLEITUNG FÜR EINE BRENNKRAFTMASCHINE, ZUGEHÖRIGES GEHÄUSE FÜR EIN LUFTFILTER UND KRAFTFAHRZEUG MIT EINER SOLCHEN LEITUNG

Title (fr)

LIGNE D'ADMISSION D'AIR D'UN MOTEUR A COMBUSTION, CARTER DE FILTRE A AIR ASSOCIE, ET VEHICULE AUTOMOBILE COMPORTANT UNE TELLE LIGNE

Publication

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Application

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Abstract (en)

[origin: WO2012098307A1] The invention relates to an air-intake line for a combustion engine (M), comprising, in the following order, on a main branch: an air filter (1) provided with a casing; a turbocharger compressor (2); and an air-metering valve (3), wherein the line further comprises a recirculation branch (4) bypassing the main branch between the downstream and upstream portions of the compressor (2), and a release valve (5) capable of blocking or enabling the flow of a fluid in the recirculation branch (4), characterized in that a first end (41) of the recirculation branch (4) is connected to the main branch via the air-filter (1) casing. The invention also relates to an air-filter casing that is advantageously shaped so as to implement such an air-intake line, and to a motor vehicle (V) comprising such an intake line.

IPC 8 full level

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