

Title (en)  
SUPERCHARGED INTERNAL COMBUSTION ENGINE

Title (de)  
AUFGELADENE BRENNKRAFTMASCHINE

Title (fr)  
MOTEUR À COMBUSTION INTERNE SURALIMENTÉ

Publication  
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Application  
**EP 15719722 A 20150504**

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Abstract (en)  
[origin: WO2015185303A1] Supercharged internal combustion engine with an intake tract in which a compressor is arranged, wherein a throttle element is arranged in the intake tract between the compressor and the internal combustion engine, wherein, between the compressor and the throttle element, the intake tract can be gas-conductively connected on the low-pressure side to a first line and on the high-pressure side to a second line via a blow-off valve, and wherein a fuel tank with an activated carbon filter is provided for supplying fuel to the internal combustion engine, which fuel tank can be gas-conductively connected via a tank ventilation valve, wherein, between the compressor and the throttle element, the intake tract can be gas-conductively connected on the low-pressure side to a third line and on the high-pressure side to a fourth line via the tank ventilation valve, wherein the blow-off valve and the tank ventilation valve are arranged parallel to one another and the first and the third lines and the second and the fourth lines are, at least in sections, the same lines. Through the embodiment according to the invention, doubled lines are eliminated, which thus generates advantages with respect to costs, installation space, and weight, without functional disadvantages.

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