

Title (en)

CHARGED AIR SUPPLY DEVICE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

LADELUFTVERSORGUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF DE SURALIMENTATION EN AIR D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3414438 A1 20181219 (FR)**

Application

**EP 17707383 A 20170206**

Priority

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Abstract (en)

[origin: WO2017137687A1] The invention relates to an air supercharging device (1) of an internal combustion engine (2), comprising a cooling circuit (41, 42) of the electrical compressor (8), the cooling circuit (41, 42) comprising an air intake conduit (41) to the electrical compressor (6), extending between the outlet (47) of the heat exchanger (14) and the electrical compressor (6), in such a way as to be able to capture a fraction of the cooled compressed air, characterised in that it further comprises an air recirculation conduit (42) extending between the electrical compressor (6) and the vicinity of the inlet (45) of the intake manifold (3).

IPC 8 full level

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Citation (search report)

See references of WO 2017137687A1

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