

Title (en)
COOLING DEVICE OF AN AIR CHARGING SYSTEM FOR AN INTERNAL COMBUSTION ENGINE AND AIR CHARGING SYSTEM EQUIPPED THEREWITH

Title (de)
KÜHLVORRICHTUNG EINES LUFTAUFLADESYSTEMS FÜR EINE BRENNKRAFTMASCHINE UND LUFTAUFLADESYSTEM MIT EINER SOLCHEN

Title (fr)
DISPOSITIF DE REFROIDISSEMENT DE SYSTÈME DE SURALIMENTATION D'AIR DE MOTEUR THERMIQUE, ET SYSTÈME DE SURALIMENTATION D'AIR EQUIPÉ D'UN TEL DISPOSITIF

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Application
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Abstract (en)
[origin: WO2018037171A1] The device (12) according to the invention is suitable for cooling an air supercharging system (1) of a heat engine (2) comprising a thermal turbocharger (10) and a water-cooled electric compressor (11). The device comprises a first cooling circuit (12A) intended to cool the charge air supplied by the system to the heat engine and a second cooling circuit (12B) intended for the water-cooling of the electric compressor. According to the invention, the device comprises a water-air heat exchanger (120) that is shared by the two cooling circuits.

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