

Title (en)
CHARGE AIR COOLER

Title (de)
LADELUFTKÜHLER

Title (fr)
REFROIDISSEUR D'AIR DE SURALIMENTATION

Publication
EP 1590615 B1 20120125 (DE)

Application
EP 03789017 A 20031107

Priority
• EP 0312468 W 20031107
• DE 10302708 A 20030123

Abstract (en)
[origin: WO2004065874A1] Disclosed is a device for exchanging heat, especially for cooling the combustion air of internal combustion engines in motor vehicles, which is characterized by the fact that the flow devices (14) are accommodated in an profiled housing (6) comprising at least two parts. The cross section of a first housing part (6a) is essentially U-shaped, said basic shape being closed at the open end of the first housing part (6a) by means of a second, substantially planar housing part (6b). The inventive device is further characterized by the fact that the housing (6) comprises at least one inlet flange and at least one outlet flange for the second medium at two opposite sides while the flow devices (14) are kept at a distance from each other in at least one area by means of at least one frame device (12) which is accommodated within the housing (6).

IPC 8 full level
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