

Title (en)

Heat exchange device for combustion engines

Title (de)

Wärmeübertragungseinheit für Verbrennungskraftmaschinen

Title (fr)

Unité de transmission de la chaleur pour moteurs à combustion interne

Publication

**EP 1857761 A3 20111228 (DE)**

Application

**EP 07107408 A 20070503**

Priority

DE 102006023809 A 20060520

Abstract (en)

[origin: DE102006023809B3] The unit has a housing (1) in which channels (2, 3), which are streamed by respective fluids that are to be cooled, are arranged, where a third channel (4) streamed by a cooling unit is arranged in the housing. A by-pass channel (5) for the fluid that is to be cooled is arranged in the housing. One of the channels is by-passed by the by-pass channel. The fluid mass flow into the by-pass channel and the channel (2) is controlled by a control device.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

**DE 102006023809 A 20060520**; EP 07107408 A 20070503