

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)

F01M 5/00 (2013.01); **F02M 26/25** (2016.02); **F02M 26/30** (2016.02); **F02M 26/32** (2016.02); **F02M 26/38** (2016.02); **F28D 7/0025** (2013.01); **F28D 7/0083** (2013.01); **F28D 7/1684** (2013.01); **F28D 9/0093** (2013.01); **F28F 27/02** (2013.01); **F28D 21/0003** (2013.01); **F28D 2021/0089** (2013.01); **F28F 2250/06** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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