

Title (en)

Heat exchanger, in particular oil-water-heat exchanger, with reinforced attachment plate

Title (de)

Wärmetauscher, insbesondere Öl-Wasser-Wärmetauscher, mit verstärkter Anschlussplatte

Title (fr)

Échangeur thermique, en particulier échangeur de chaleur d'huile-eau, avec plaque d'attachement renforcée

Publication

**EP 2466241 B1 20130731 (DE)**

Application

**EP 11191380 A 20111130**

Priority

DE 102010063141 A 20101215

Abstract (en)

[origin: EP2466241A1] The exchanger (1) has a connection plate (2) for connection at a combustion engine. Tub elements (3) are soldered with each other and stacked on top of each other. The tub elements are provided directly adjacent to the connection plate and comprise lash type edges (4) that protrude outward. The edges lie against the connection plate, during mounting of the heat exchanger. The edges stiffen the connection plate, and a turbulence plate (6) is arranged between the tub elements. The edges and the connection plate lie parallel to each other.

IPC 8 full level

**F28D 9/00** (2006.01)

CPC (source: EP US)

**F28D 9/005** (2013.01 - EP US); **F28F 9/0075** (2013.01 - US); **F01M 5/002** (2013.01 - US); **F28D 2021/0089** (2013.01 - EP US); **F28F 2225/00** (2013.01 - US); **F28F 2225/08** (2013.01 - EP US); **F28F 2280/06** (2013.01 - EP US)

Cited by

DE102016102890A1; DE102016102893A1; WO2017140606A1; IT201600115641A1; EP2963374A1; CN108700333A; US11339692B2; WO2015185213A1; WO2018092019A1; DE102016102895A1; WO2017140668A1; WO2017140608A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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