

Title (en)  
HEAT EXCHANGE DEVICE

Title (de)  
WÄRMETAUSCHERVORRICHTUNG

Title (fr)  
DISPOSITIF D'ÉCHANGE DE CHALEUR

Publication  
**EP 3246647 B1 20191030 (EN)**

Application  
**EP 16382220 A 20160519**

Priority  
EP 16382220 A 20160519

Abstract (en)  
[origin: EP3246647A1] The invention relates to a heat exchange device characterized by a particular configuration of the liquid inlet or outlet manifold in which it incorporates a baffle formed from the shell itself. This configuration allows not only suitably orient the inflow into regions of the tube bundle of the exchanger where convection must be more intense, but also allows generating a flow suitable for reaching all the regions having a higher convective heat transfer requirement. Configuring a baffle from the shell prevents incorporating and manufacturing specific additional parts, as well as the additional operations required for their configuration and attachment to the heat exchanger.

IPC 8 full level  
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CPC (source: CN EP US)  
**F02M 26/28** (2016.02 - EP US); **F28D 7/0091** (2013.01 - US); **F28D 7/16** (2013.01 - CN); **F28D 7/1684** (2013.01 - EP US); **F28D 7/1692** (2013.01 - EP US); **F28D 21/0003** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F28F 9/0265** (2013.01 - CN EP US); **F28D 2021/0026** (2013.01 - US); **F28F 9/001** (2013.01 - EP US)

Cited by  
CN116045715A; CN111750079A; EP3786567A1; FR3107344A1; EP4212815A1; EP3786563A1; EP4212812A1; WO2021116630A1; WO2023134945A1; WO2023134944A1

Designated contracting state (EPC)  
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**EP 16382220 A 20160519**; CN 201710352163 A 20170518; US 201715596646 A 20170516