

Title (en)

Heat Exchanger and Method for its Fabrication

Title (de)

Wärmetauscher und ein Verfahren zu dessen Herstellung

Title (fr)

Échangeur de chaleur et méthode pour sa fabrication

Publication

**EP 1876391 B1 20090909 (DE)**

Application

**EP 06014059 A 20060706**

Priority

EP 06014059 A 20060706

Abstract (en)

[origin: EP1876391A1] The heat exchanger (1) has a channel (3) and heat exchanger tubes (4) in a longitudinal direction, where a medium to be heated and a heating medium are flowable, respectively. The tubes are arranged between a distribution chamber (6) and a collection chamber (7), and are connected with the distribution and collection chambers over tube bottoms. The tubes are arranged as a circular tube bundle (5) with an unobstructed central region (10), and an outer redirecting unit is provided in the channel to produce cross-flow, which is directed to the central region, in the medium to be heated. An independent claim is also included for a method for manufacturing a heat exchanger.

IPC 8 full level

**F22G 1/00** (2006.01); **F22G 3/00** (2006.01); **F28D 3/02** (2006.01); **F28F 13/06** (2006.01)

CPC (source: EP)

**F22G 1/005** (2013.01); **F22G 3/006** (2013.01); **F28B 1/06** (2013.01); **F28D 7/1676** (2013.01); **F28F 9/22** (2013.01); **F28F 2009/226** (2013.01); **F28F 2265/26** (2013.01)

Cited by

US2014262174A1; KR20190076461A; EP2957852A1; CN103733011A; AU2012292997B2; US10914528B2; CN109000214A; US11454452B2; US9551537B2; WO2013020854A3

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DE

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