

Title (en)

Heat exchanger with optimised heat transmission and heating device with such a heat exchanger

Title (de)

Wärmetauscher mit optimierter Wärmeübertragung und Heizeinrichtung mit einem solchen Wärmetauscher

Title (fr)

Échangeur de chaleur avec transfert de chaleur optimisé et dispositif de chauffage doté d'un tel échangeur de chaleur

Publication

EP 2757336 B1 20171108 (DE)

Application

EP 14151370 A 20140116

Priority

TR 201300671 A 20130118

Abstract (en)

[origin: EP2757336A2] The heat exchanger (1) has a fluid channel (10) for a fluid with a fluid inlet (11) and a fluid outlet (12) and another fluid channel (20) for another fluid with another fluid inlet (21) and another fluid outlet (22). The latter fluid channel is branched into two sub channels (23,24) from behind. The two sub channels are merged in front of the latter fluid outlet of the latter fluid channel to a collecting channel (25), which runs in a section (A1) transverse to the former fluid channel and is arranged closer to the former fluid inlet of the former fluid channel. The former sub-channel runs in another section (A2) transverse to the former fluid channel, where the latter section is arranged closer to the fluid inlet of the former fluid channel. An independent claim is included for a heater with a combustion chamber.

IPC 8 full level

F28F 3/04 (2006.01); **F28D 9/00** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)

F28D 9/0043 (2013.01); **F28D 21/0005** (2013.01); **F28F 3/046** (2013.01); **F28D 2021/0024** (2013.01); **F28F 2210/02** (2013.01); **F28F 2210/10** (2013.01); **F28F 2265/10** (2013.01)

Cited by

EP3040670A1; EP3622237A4; FR3129715A1; US11448468B2; WO2016110472A1; WO2023099236A1

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