

Title (en)

Heat exchanger with a optimised fluid flow heat absorbing channel, in particular for heating apparatus

Title (de)

Wärmetauscher mit einem strömungsoptimierten wärmeaufnehmenden Strömungskanal, insbesondere für ein Heizgerät

Title (fr)

Échangeur de chaleur avec un canal à flux optimisé pour l'absorption de chaleur, notamment pour un dispositif de chauffage

Publication

**EP 1450114 B1 20160831 (DE)**

Application

**EP 03027439 A 20031201**

Priority

DE 10306699 A 20030218

Abstract (en)

[origin: EP1450114A1] Heat exchanger comprises a base body (10) with a heat-releasing flow channel (19) for a heat-releasing medium and a heat-receiving flow channel (25) for a heat-receiving medium. The heat-receiving flow channel has different flow cross-sections along its spiral-like extension so that the flow speed of the heat-receiving medium fits the heat load of the corresponding region of a heat transfer wall (11). Preferred Features: Windings (25.1-25.8) are formed on the outer side of the heat transfer wall to form the heat-receiving channel. The cross-section of the windings is fitted locally to the heat load of the corresponding region of the heat transfer wall.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2034265A3; EP4030113A1; NL2027319B1; EP3381295A1; CN108813085A; IT201700035879A1; US11140911B2; WO2019168481A1

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