

Title (en)

FLOW CHANNEL FOR A HEAT EXCHANGER, AND HEAT EXCHANGER COMPRISING SUCH FLOW CHANNELS

Title (de)

STRÖMUNGSKANAL FÜR EINEN WÄRMEÜBERTRAGER UND WÄRMEÜBERTRAGER MIT DERARTIGEN STRÖMUNGSKANÄLEN

Title (fr)

CANAL D'ECOULEMENT POUR DISPOSITIF DE TRANSFERT DE CHALEUR ET DISPOSITIF DE TRANSFERT DE CHALEUR COMPRENANT DE TELS CANAUX D'ECOULEMENT

Publication

EP 1682842 A1 20060726 (DE)

Application

EP 04786965 A 20040920

Priority

- EP 2004010516 W 20040920
- DE 10350418 A 20031028

Abstract (en)

[origin: DE102004045923A1] Flow channel for a heat exchanger containing a medium flowing in a flow direction (P) comprises two opposite-lying parallel heat exchanger surfaces (F1) provided with a structure formed by structural elements (13, 13') that protrude into the flow channel perpendicularly to the flow direction. At least two rows (17-20) with structural elements on opposite-lying heat exchanger surfaces overlap each other. An independent claim is also included for a heat exchanger, especially an exhaust gas cooling device for a motor vehicle. Preferred Features: At least one structural element is elongated, especially rectangular, with a linear longitudinal axis.

IPC 8 full level

F28F 13/12 (2006.01); **F28F 1/40** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP KR US)

F28F 1/40 (2013.01 - EP KR US); **F28F 3/04** (2013.01 - EP KR US); **F28F 13/02** (2013.01 - EP US); **F28F 13/12** (2013.01 - EP KR US); **F28D 21/0003** (2013.01 - EP US)

Citation (search report)

See references of WO 2005052490A1

Cited by

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