

Title (en)  
METAL HEAT EXCHANGER TUBE

Title (de)  
METALLISCHES WÄRMEAUSTAUSCHERROHR

Title (fr)  
TUBE D'ÉCHANGEUR DE CHALEUR MÉTALLIQUE

Publication  
**EP 3111153 A1 20170104 (DE)**

Application  
**EP 15704718 A 20150210**

Priority

- DE 102014002829 A 20140227
- EP 2015000278 W 20150210

Abstract (en)  
[origin: WO2015128061A1] The invention relates to a metal heat exchanger tube, comprising integral ribs formed on the outside of the tube. Said ribs have a rib base, rib flanks, and a rib tip. The rib base protrudes substantially radially from the tube wall. A channel is formed between the ribs, in which channel additional structures spaced apart from each other are arranged. The additional structures divide the channel between the ribs into segments. The additional structures reduce the cross-sectional area in the channel between two ribs through which flow is possible by at least 60% locally and, at least thereby, limit a fluid flow in the channel during operation.

IPC 8 full level  
**F28F 1/42** (2006.01); **F28F 1/36** (2006.01); **F28F 13/18** (2006.01)

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Citation (search report)  
See references of WO 2015128061A1

Cited by  
DE202020005628U1; DE202020005625U1; WO2022089773A1; WO2022089772A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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