

Title (en)  
Heat transfer tube for a heat exchanger

Title (de)  
Austauscherrohr für einen Wärmeaustauscher

Title (fr)  
Tube pour échangeur de chaleur

Publication  
**EP 0733871 B1 20000202 (DE)**

Application  
**EP 96103390 A 19960305**

Priority  
DE 19510124 A 19950321

Abstract (en)  
[origin: EP0733871A1] The pipe (1) has a smooth outer surface (2) and a structured inner surface (3) having parallel ribs (7) running at an angle (  $\alpha$  ) of 90 degrees to the longitudinal axis (6) of the exchange pipe. The ribs have sloping flanges (8) and form channels (13) and cross running troughs (14). The middle longitudinal plane of the troughs runs at 90 degrees to the longitudinal axis of the exchange pipe. The troughs have a sine curve formed shape in their longitudinal cross-section and are formed with a micro roughness (16) upper surface (8,10,11) and have rounded ribbed (7) heads. The oppositely lying, neighbouring ribs of the flanges are connected to the channel soles (12) by rounded transitions (11).

IPC 1-7  
**F28F 1/40**

IPC 8 full level  
**F28F 1/40** (2006.01)

CPC (source: EP US)  
**F28F 1/40** (2013.01 - EP US); **Y10S 165/515** (2013.01 - EP US)

Cited by  
EP1202018A3; EP2554292A1; EP1734327A1; EP0819908A3; US6925711B2

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AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0733871 A1 19960925; EP 0733871 B1 20000202**; AT E189518 T1 20000215; DE 19510124 A1 19960926; DE 59604338 D1 20000309; DK 0733871 T3 20000724; ES 2143102 T3 20000501; GR 3033193 T3 20000831; JP H08327273 A 19961213; PT 733871 E 20000630; US 5682946 A 19971104

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