

Title (en)  
FLAT TUBE FOR A HEAT EXCHANGER

Title (de)  
FLACHROHR FÜR WÄRMETAUSCHER

Title (fr)  
TUBE PLAT DESTINÉ A UN ÉCHANGEUR THERMIQUE

Publication  
**EP 1805469 B1 20190529 (DE)**

Application  
**EP 05800345 A 20051011**

Priority  
• EP 2005010904 W 20051011  
• DE 102004049809 A 20041012

Abstract (en)  
[origin: WO2006040118A1] The invention relates to a multi-channel flat tube (1) for a heat exchanger, especially for use in motor vehicles, which comprises a first lateral wall (14), a second lateral wall (15) substantially parallel to the first lateral wall (14), and at least one curved end section (17). A projection (9) from the material of the lateral wall (14, 15) is configured on at least one lateral wall (14, 15) on the inside facing a fluid flow in the interior of the flat tube (1). On the outside facing away from the fluid, the lateral wall (14, 15) is substantially planar in the area of the projection (9).

IPC 8 full level  
**F28F 1/02** (2006.01)

CPC (source: EP US)  
**B21C 37/0803** (2013.01 - EP US); **B21C 37/083** (2013.01 - EP US); **B21C 37/151** (2013.01 - EP US); **B21D 53/06** (2013.01 - EP US); **F28D 1/0391** (2013.01 - EP US); **F28F 1/022** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102004049809 A1 20060413**; EP 1805469 A1 20070711; EP 1805469 B1 20190529; JP 2008516177 A 20080515; TR 201910994 T4 20190821; US 2007295490 A1 20071227; WO 2006040118 A1 20060420

DOCDB simple family (application)  
**DE 102004049809 A 20041012**; EP 05800345 A 20051011; EP 2005010904 W 20051011; JP 2007535115 A 20051011; TR 201910994 T 20051011; US 66499305 A 20051011