

Title (en)  
FLAT TUBE FOR A HEAT EXCHANGER

Title (de)  
FLACHROHR FÜR EINEN WÄRMETAUSCHER

Title (fr)  
TUBE PLAT POUR ECHANGEUR DE CHALEUR

Publication  
**EP 0776454 B1 19980520 (FR)**

Application  
**EP 96922944 A 19960618**

Priority  
• FR 9600939 W 19960618  
• FR 9507513 A 19950622

Abstract (en)  
[origin: FR2735853A1] A flat tube for a heat exchanger is disclosed. The flat tube is produced by assembling a main part (12) made of a folded metal strip defining a flat side (16), two rounded ends (18) and two side portions (20) with two free edges (22), as well as a secondary part (14) made of a metal strip forming a central portion (24) with two flanged free edges (26), whereby the secondary part (14) is sandwiched into the main part (12) to form a multichannel tube (30). The tube may be used in heat exchangers for motor vehicle heating and/or air conditioning systems.

IPC 1-7  
**F28D 1/03**; **B21C 37/15**; **F28F 1/02**

IPC 8 full level  
**B21C 37/15** (2006.01); **F28D 1/03** (2006.01); **F28F 1/02** (2006.01)

CPC (source: EP KR US)  
**B21C 37/151** (2013.01 - EP US); **F28D 1/03** (2013.01 - KR); **F28D 1/0308** (2013.01 - EP US); **F28F 1/022** (2013.01 - EP US);  
**Y10S 165/906** (2013.01 - EP US); **Y10T 29/49391** (2015.01 - EP US)

Designated contracting state (EPC)  
DE ES GB IT SE

DOCDB simple family (publication)  
**FR 2735853 A1 19961227**; **FR 2735853 B1 19970801**; DE 69600309 D1 19980625; DE 69600309 T2 19980910; EP 0776454 A1 19970604;  
EP 0776454 B1 19980520; ES 2117900 T3 19980816; KR 970705731 A 19971009; US 5704423 A 19980106; WO 9701071 A1 19970109

DOCDB simple family (application)  
**FR 9507513 A 19950622**; DE 69600309 T 19960618; EP 96922944 A 19960618; ES 96922944 T 19960618; FR 9600939 W 19960618;  
KR 19970701125 A 19970221; US 79324597 A 19970221