

Title (en)
HOLLOW CHAMBER PROFILE MADE OF METAL, ESPECIALLY FOR HEAT EXCHANGERS

Title (de)
HOHLKAMMERPROFIL AUS METALL, INSBESONDERE FÜR WÄRMETAUSCHER

Title (fr)
PROFILE CREUX EN METAL, NOTAMMENT POUR DES ECHANGEURS DE CHALEUR

Publication
EP 1511967 B1 20090218 (DE)

Application
EP 03735565 A 20030606

Priority
• DE 10225812 A 20020611
• DE 20209005 U 20020611
• EP 0305943 W 20030606

Abstract (en)
[origin: US2005161208A1] The invention relates to a hollow chamber profile made of metal, especially for heat exchangers. Said profile is made of an extruded base profile (10) having two broad parallel sides and two narrow sides or is made of a base profile which is a circular tube type or coaxial tube type. At least one channel (11) extends inside said base profile in the longitudinal direction thereof. The hollow profile has improved heat transfer properties on the sides and webs (13) which are deformed perpendicular to the longitudinal direction thereof.

IPC 8 full level
F02B 29/04 (2006.01); **F28F 1/02** (2006.01); **B21C 23/00** (2006.01); **B21C 23/08** (2006.01); **B21C 25/00** (2006.01); **B21C 25/08** (2006.01); **F28F 1/08** (2006.01); **F28F 13/12** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP US)
B21C 35/02 (2013.01 - EP US); **B21C 35/023** (2013.01 - EP US); **F28F 1/022** (2013.01 - EP US); **F28F 1/025** (2013.01 - EP US); **F28F 1/08** (2013.01 - EP US); **Y10T 29/49391** (2015.01 - EP US)

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

DOCDB simple family (publication)
US 2005161208 A1 20050728; **US 7726390 B2 20100601**; AT E423299 T1 20090315; DE 50311194 D1 20090402; DK 1511967 T3 20090602; EP 1511967 A1 20050309; EP 1511967 B1 20090218; JP 2005529304 A 20050929; JP 4211038 B2 20090121; WO 03104735 A1 20031218

DOCDB simple family (application)
US 51685204 A 20041203; AT 03735565 T 20030606; DE 50311194 T 20030606; DK 03735565 T 20030606; EP 0305943 W 20030606; EP 03735565 A 20030606; JP 2004511761 A 20030606