

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1744116 A2 20070117 (EN)

Application
EP 06115920 A 20060622

Priority
JP 2005204126 A 20050713

Abstract (en)
A heat exchanger (1) includes a header (2, 3) and a plurality of heat exchange tubes (4), the header (2, 3) is formed from a header member A (10) and a header member B (11) formed dividedly from each other and connected to each other, the header member A (10) being formed as a comb-like shape with slits (12) each corresponding to a tube insertion hole and the header member B (11) being abutted to the header member A (10) to complete the whole shape of the header (2, 3), a flange (17) is formed on an end portion of each heat exchange tube (4), and each heat exchange tube (4) is connected to at least the header member A (10) at a condition where the flange (17) extends on both side portions of each slit (12) and the flange (17) is hung from the header member A (10). Assembling can be facilitated, and desirable brazing becomes possible without severe management of dimensions of parts.

IPC 8 full level
F28D 1/053 (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01)

CPC (source: EP)
F28D 1/05391 (2013.01); **F28F 1/025** (2013.01); **F28F 9/0224** (2013.01); **F28F 9/182** (2013.01)

Cited by
CN101949654A

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1744116 A2 20070117; **EP 1744116 A3 20071226**; JP 2007024350 A 20070201; JP 4663434 B2 20110406

DOCDB simple family (application)
EP 06115920 A 20060622; JP 2005204126 A 20050713