

Title (en)
Heat exchanger

Title (de)
Wärmeübertrager

Title (fr)
Echangeur de chaleur

Publication
EP 1832830 B1 20090121 (DE)

Application
EP 07002886 A 20070212

Priority
DE 102006006946 A 20060214

Abstract (en)
[origin: EP1832830A1] In a particular region (1a) of the tubeplate (1), between adjacent openings (2) holding the radiator tubes, a point- or line elevation (8) is formed. This located on one side of the zig-zag fins (4). The elevation is formed from the tubeplate by pressing, as a stud or groove. The flat tubes (3) are soldered to the fins, and/or the tube ends are soldered to the tubeplate. Tubeplate and flat tubes are plated with solder. The elevation assures minimal contact between the tubeplate and the zig-zag fins (4, 4a), during the flow of solder.

IPC 8 full level
F28F 1/12 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F28F 1/126 (2013.01); **F28F 9/02** (2013.01); **F28F 2240/00** (2013.01); **F28F 2275/04** (2013.01)

Cited by
CN112216897A

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)
EP 1832830 A1 20070912; EP 1832830 B1 20090121; AT E421671 T1 20090215; DE 102006006946 A1 20070823; DE 502007000391 D1 20090312

DOCDB simple family (application)
EP 07002886 A 20070212; AT 07002886 T 20070212; DE 102006006946 A 20060214; DE 502007000391 T 20070212