

Title (en)

Heat exchanger with device for spacing heat exchanger pipes

Title (de)

Wärmetauscher mit Vorrichtung zur Distanzierung von Wärmetauscherrohren

Title (fr)

Echangeur de chaleur avec dispositif destiné à distancer des tuyaux caloporteurs

Publication

**EP 1980812 B1 20130918 (DE)**

Application

**EP 08004519 A 20080312**

Priority

DE 102007017564 A 20070412

Abstract (en)

[origin: EP1980812A2] Device for spacing heat exchanger tubes (1) comprises spacer holders (2) having an upper boom (3) and a lower boom (4) with the tubes in contact with the booms. Free spaces (5) are provided between the upper and lower booms and the heat exchanger tubes. Preferred Features: The number of line and/or point contacts of the tubes with the spacer holders is less than 6. Either the upper boom or the lower boom has a polygonal notch for receiving a heat exchanger tube.

IPC 8 full level

**F28D 7/16** (2006.01); **F28F 9/013** (2006.01)

CPC (source: EP)

**F28D 7/16** (2013.01); **F28F 9/0131** (2013.01); **F28F 9/0132** (2013.01); **F28F 9/0133** (2013.01)

Cited by

EP2803929A3; DE102010001635A1; US2015129180A1; CN103868397A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1980812 A2 20081015**; **EP 1980812 A3 20111221**; **EP 1980812 B1 20130918**; DE 102007017564 A1 20081016; PL 1980812 T3 20131231

DOCDB simple family (application)

**EP 08004519 A 20080312**; DE 102007017564 A 20070412; PL 08004519 T 20080312