

Title (en)
All-metal heat exchanger

Title (de)
Ganz-Metall-Wärmetauscher

Title (fr)
Echangeur de chaleur entierement metallique

Publication
EP 1764570 A1 20070321 (DE)

Application
EP 05020325 A 20050917

Priority
EP 05020325 A 20050917

Abstract (en)
The heat exchanger comprises flat tubes (1) with two narrow sides (2) and two wide sides (3). Fins (4) form a block with the tubes and at least one tube plate (5) The edges (10) of the tank (6) are soldered to the edges (20) of the tube plate. Projections (11) are inserted into the ends of the flat tubes, approximately in the region of the narrow sides.

IPC 8 full level
F28D 1/053 (2006.01); **F28F 9/00** (2006.01); **F28F 9/18** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP)
F28D 1/05366 (2013.01); **F28F 9/001** (2013.01); **F28F 9/002** (2013.01); **F28F 9/02** (2013.01); **F28F 9/185** (2013.01); **F28F 21/084** (2013.01); **F28D 2021/0082** (2013.01); **F28F 2225/08** (2013.01); **F28F 2235/00** (2013.01)

Citation (search report)

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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

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