

Title (en)
Evaporator unit

Title (de)
Verdampfeinheit

Title (fr)
Unité d'évaporateur

Publication
EP 2317252 A3 20120530 (EN)

Application
EP 10172987 A 20100817

Priority
TR 200908059 A 20091023

Abstract (en)
[origin: EP2317252A2] The evaporator unit (A) of the invention developed for cooler-type white goods comprises an evaporator tube (1) consisting of two lines (I, II) each of which continue with sequential bends (5); plate-shaped fins (2) that are arranged on the evaporator tube (1) in succession. The unit (A) is characterized in that each line (I, II) of the tube (1) is within itself while all the parts are sequentially on the same virtual plane (D); and in that there are protrusions (3) on each fin (2) which keep the fins (2) at parallel regular intervals with respect to each other and which are used for heat transfer; and in that there are a great number of slots (4) at the both sides of the each fin (2) plate into which tube lines can laterally enter.

IPC 8 full level
F25B 39/02 (2006.01); **F28D 1/047** (2006.01); **F28F 1/32** (2006.01); **F28F 13/12** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP)
F25B 39/02 (2013.01); **F28D 1/0477** (2013.01); **F28F 1/325** (2013.01); **F28F 13/12** (2013.01); **F28F 21/082** (2013.01); **F28D 2021/0071** (2013.01); **F28F 2215/08** (2013.01); **F28F 2215/12** (2013.01)

Citation (search report)

- [Y] JP 2001091179 A 20010406 - MITSUBISHI ELECTRIC CORP
- [Y] US 2540339 A 19510206 - KRITZER RICHARD W
- [YA] US 2023739 A 19351210 - MASON ARTHUR J
- [YA] WO 2009046565 A1 20090416 - CHEN WEIDONG [CN]
- [YA] US 2003209344 A1 20031113 - FANG LEI [US], et al
- [A] EP 1586844 A1 20051019 - T RAD CO LTD [JP]
- [A] EP 1696196 A1 20060830 - USUI KOKUSAI SANGYO KK [JP]
- [A] JP H0996473 A 19970408 - SHOWA ALUMINUM CORP

Cited by
CN104006680A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2317252 A2 20110504; EP 2317252 A3 20120530; TR 200908059 A2 20100421

DOCDB simple family (application)
EP 10172987 A 20100817; TR 200908059 A 20091023