

Title (en)

Heat exchanger, more particularly condenser for vehicle air conditioning system

Title (de)

Wärmetauscher, insbesondere Kondensator für eine Kraftfahrzeug-Klimaanlage

Title (fr)

Echangeur de chaleur, en particulier condenseur pour installation de climatisation de véhicule

Publication

EP 1596148 A3 20070110 (DE)

Application

EP 05009769 A 20050504

Priority

DE 102004024435 A 20040514

Abstract (en)

[origin: EP1596148A2] The heat exchanger has two collection boxes (2) into which the ends of flat pipes (3) are inserted. The fronts of the collection boxes are covered by respective lids (7). At least one lid has an opening for the ends of a collection box.

IPC 8 full level

F28F 9/02 (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP)

F28D 1/05366 (2013.01); **F28F 9/0224** (2013.01); **F28F 9/0243** (2013.01); **F28F 9/0246** (2013.01); **F28F 9/0248** (2013.01); **F28F 9/0251** (2013.01); **F28F 2220/00** (2013.01)

Citation (search report)

- [XY] EP 1388722 A2 20040211 - BEHR GMBH & CO [DE], et al
- [Y] EP 0327441 A1 19890809 - HUTCHINSON [FR]
- [Y] DE 9420659 U1 19950209 - THERMAL WAERME KAELTE KLIMA [DE]
- [X] EP 0888915 A2 19990107 - FORD MOTOR CO [GB], et al
- [X] JP 2001215095 A 20010810 - DENSO CORP
- [X] JP 2001311596 A 20011109 - TOYO RADIATOR CO LTD
- [XA] DE 4426377 A1 19950928 - DAIMLER BENZ AG [DE]

Cited by

DE102010029777A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1596148 A2 20051116; EP 1596148 A3 20070110; DE 102004024435 A1 20051208

DOCDB simple family (application)

EP 05009769 A 20050504; DE 102004024435 A 20040514