

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1310748 A2 20030514 (DE)

Application
EP 02023317 A 20021018

Priority
• DE 10154891 A 20011108
• DE 10229831 A 20020703

Abstract (en)
A collector (3) consisting of a tube (5) to which a tube piece (6) is brazed at the lower end (5a), is connected to a collecting tube (2) of the heat exchanger, by making collars (8,9) formed in the lower area of the collecting tube engaged with bores (10,11) formed in the tube piece. An extension (7a) of a cover (7) which seals an upper end (5b) of the collector is used to seal the upper end of the header. <??>Independent claims are also included for the following: <??>(1) manufacturing method of heat exchanger; and <??>(2) refrigerant condenser in vehicle air conditioning system.

Abstract (de)
Die Erfindung betrifft einen Wärmetauscher, insbesondere einen Kältemittelkondensator, insbesondere für eine Kraftfahrzeugklimaanlage, bestehend aus einem Rohr-Rippen-Block und beiderseits angeordneten Sammelrohren, welche die Enden der Rohre aufnehmen, sowie aus einem parallel zu einem Sammelrohr angeordneten Sammler. <IMAGE>

IPC 1-7
F25B 39/04; **F28F 9/02**

IPC 8 full level
F25B 39/04 (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)
F25B 39/04 (2013.01 - EP US); **F28F 9/0214** (2013.01 - EP US); **F25B 2339/044** (2013.01 - EP US); **F25B 2339/0442** (2013.01 - EP US); **F25B 2339/0446** (2013.01 - EP US); **F28F 2220/00** (2013.01 - EP US)

Citation (applicant)
• DE 19848744 A1 20000427 - BEHR GMBH & CO [DE]
• DE 4238853 C2 20010503 - BEHR GMBH & CO [DE]

Cited by
KR101318629B1; DE102008007597A1; US7832230B2; US11536500B2; US7334429B2; EP2108905A1; EP3444544A1; CN111527355A; WO2005050119A3; WO2019034647A1; WO2010097392A1; WO2005052470A1; EP2287552B1; EP2491328B1

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 02023317 A 20021018; AT 02023317 T 20021018; DE 50213792 T 20021018; US 28926402 A 20021107