

Title (en)
Refrigerant condenser equipped with receiver

Title (de)
Kondensator mit integriertem Sammler

Title (fr)
Condenseur avec accumulateur intégré

Publication
EP 1850076 A3 20090805 (EN)

Application
EP 07106157 A 20070413

Priority
JP 2006121843 A 20060426

Abstract (en)
[origin: EP1850076A2] Disclosed is a refrigerant condenser (2) equipped with a receiver (3), in which the receiver (3) is disposed on a side surface of one header pipe (6) of the condenser (2) and the receiver (3) is connected to the header pipe (6) via a connection member (4) by brazing, wherein the connection member (4) is processed from a plate material, a pair of pipe portions (21, 22) for refrigerant passage are formed integrally on the connection member (4), tip parts of the pipe portions (21, 22) are inserted into holes formed on an object member of the header pipe (6) or the receiver (3), and a surface portion of the connection member (4) around each pipe portion (21, 22) present on a side opposite to a pipe portion projecting side is formed as a ring-like surface (25, 26) at a condition where holes (27, 28) or a hole (28) and a notch (29) are provided on both sides of the ring-like surface. The manufacture and assembly of the refrigerant condenser (2) equipped with a receiver can be facilitated by improving the structure of the pipe portions and the portions therearound of the connection member.

IPC 8 full level
F25B 39/04 (2006.01)

CPC (source: EP)
F25B 39/04 (2013.01); **F25B 2339/0442** (2013.01)

Citation (search report)
• [DX] JP 2003336939 A 20031128 - NIKKEI NEKKO KK
• [DX] JP 2003021490 A 20030124 - NIKKEI NEKKO KK
• [A] JP H02165832 A 19900626 - CALSONIC CORP
• [A] JP 2003314928 A 20031106 - DENSO CORP
• [A] EP 1584875 A1 20051012 - DELPHI TECH INC [US]

Cited by
CN107615000A; WO2010097392A1; WO2011103914A1; WO2024104421A1

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 MT NL PL PT RO SE SI SK TR

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AL BA HR MK RS

DOCDB simple family (publication)
EP 1850076 A2 20071031; EP 1850076 A3 20090805; JP 2007292401 A 20071108; JP 4726692 B2 20110720

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EP 07106157 A 20070413; JP 2006121843 A 20060426