

Title (en)
Internal heat exchanger for an automobile air-conditioning circuit, such circuit and method of connecting two connectors to this exchanger

Title (de)
Interner Wärmetauscher für einen Klimaanlage Schaltkreis eines Kraftfahrzeugs, entsprechender Schaltkreis und entsprechendes Anschlussverfahren von zwei Anschlüssen an diesen Wärmetauscher

Title (fr)
Echangeur thermique interne pour circuit de climatisation de véhicule automobile, un tel circuit et procédé de raccordement de deux connecteurs à cet échangeur

Publication
EP 1985945 B1 20091118 (FR)

Application
EP 08290389 A 20080421

Priority
FR 0703101 A 20070427

Abstract (en)
[origin: EP1985945A1] The exchanger (E) has an internal channel (11) and a radial external channel (21) for passing fluid from high and low pressure portions, respectively. An end (E1) of the exchanger is equipped with low pressure and high pressure female connectors (30, 40), which defines two passage ducts (31, 41) for fluid communicating with channels in a sealed manner. The ducts permit symmetric axes (32, 42) with respect to the corresponding channels, so that the connectors are positioned on the exchanger angularly with respect to each other, before soldering and welding the connectors on the exchanger. An independent claim is included for a method for connecting the low and high pressure female connectors to the ends of a coaxial internal heat exchanger.

IPC 8 full level
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CPC (source: EP)
F25B 40/00 (2013.01); **F28D 7/106** (2013.01); **F28F 1/16** (2013.01); **F28F 9/0246** (2013.01); **F25B 9/008** (2013.01); **F25B 2309/061** (2013.01)

Cited by
CN112874263A; EP2333472A1; FR2953917A1; DE102011108905B4; WO2012092454A1

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