

Title (en)

CONNECTING ARRANGEMENT FOR COOLANT LINES

Title (de)

VERBINDUNGSANORDNUNG FÜR KÄLTEMITTELLEITUNGEN

Title (fr)

DISPOSITIF DE RACCORDEMENT POUR CONDUITS DE RÉFRIGÉRANT

Publication

**EP 1880135 A1 20080123 (DE)**

Application

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Priority

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Abstract (en)

[origin: WO2006117039A1] The invention relates to a connecting arrangement (1) for coolant lines (2), in particular for motor vehicle air conditioning systems which are operated with CO<SUB>2</SUB>, from a first coupling element (4) which can be connected to a first line end piece (3), and a further air conditioning circuit component (5), the first coupling element (4) and the air conditioning circuit component (5) being joined by a screw so that the first line end piece (3) and the air conditioning circuit component (5) are connected to one another by means of one bore (6, 18) each and radially extending sealing faces (11, 17). A sealing ring (14) is arranged between the faces (11, 17). A space holder is arranged between the first coupling element (4) and the further air conditioning circuit component (5). According to the invention, the first line end piece (3) has a radially extending sealing face (11) which is produced by plastic deformation of the line end piece without removing material. The first coupling element (4) has an annular collar (12) which presses the sealing face (11) onto the sealing ring (14) in the mounted state.

IPC 8 full level

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CPC (source: EP US)

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