

Title (en)

Pipe coupling for heat exchanger, particularly for vehicle radiators

Title (de)

Rohranschlussverbindung für Wärmeübertrager, insbesondere Heizkörper für Kraftfahrzeuge

Title (fr)

Raccord de tuyaux pour échangeur de chaleur, notamment radiateurs pour véhicules automobiles

Publication

EP 1479996 B1 20070124 (DE)

Application

EP 03291197 A 20030520

Priority

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Abstract (en)

[origin: EP1479996A1] Connection between an end (2) of a joint pipe (1) and a connecting pipe (10) of a collecting tank (9) of a heat-exchanger, especially a heating body for a motor vehicle, comprises a peripheral bead (3) on the joint pipe end which receives the connecting pipe and is sealed via a sealing ring (23). The joint pipe end is secured in the connecting pipe by a bayonet catch. Preferred Features: The bayonet catch consists of catch lugs (5) on the joint pipe end, longitudinal grooves in the connecting pipe, and a locking surface (22) on the connecting pipe. The collecting tank and the connecting pipe are made in one piece from a metallic material, especially an aluminum alloy, especially by a deep-drawing process.

IPC 8 full level

F28F 9/04 (2006.01)

CPC (source: EP)

F28F 9/0246 (2013.01); **F28F 9/0248** (2013.01); **F28F 2275/146** (2013.01)

Cited by

DE102014200906A1; US2021270548A1; US9976821B2; WO2006050982A1

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