

Title (en)

A MANIFOLD FOR A HEAT EXCHANGER, IN PARTICULAR FOR AN AUTOMOTIVE RADIATOR

Title (de)

VERTEILER FÜR EINEN WÄRMETAUSCHER, INSBESONDERE FÜR EINEN FAHRZEUGKÜHLER

Title (fr)

COLLECTEUR POUR ÉCHANGEUR DE CHALEUR, EN PARTICULIER POUR UN RADIATEUR DE VÉHICULE AUTOMOBILE

Publication

EP 3246650 B1 20181219 (EN)

Application

EP 16170581 A 20160520

Priority

EP 16170581 A 20160520

Abstract (en)

[origin: EP3246650A1] The subject of the invention comprises a manifold (1), in particular for use in the heat exchanger (19), such as an automotive radiator. The manifold comprises the housing (4) having defined therein at least one longitudinal channel (5) and also plurality of slots (10) on one surface thereof, which slots (10) are in fluid communication with the longitudinal channel (5). The manifold also comprises cover (2) applied on the housing (4) having plurality slots (3) at positions corresponding to the positions of the slots (10) of the housing (4) and connected to the housing (4) by a brazed connection. The cover (2) is provided with through holes (20) for detecting leakage of the cooling medium through defects of a brazed connection between said cover (2) and the housing (4), wherein said through holes (20) are formed in areas of the cover (2) between the slots (3) thereof. The invention relates also to a heat exchanger, in particular an automotive radiator, comprising such manifold.

IPC 8 full level

F28F 9/02 (2006.01)

CPC (source: EP)

F28F 9/0214 (2013.01); **F28F 2265/16** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3246650 A1 20171122; EP 3246650 B1 20181219

DOCDB simple family (application)

EP 16170581 A 20160520