

Title (en)
SEALING STRUCTURE OF HEAT EXCHANGER AND HEAT EXCHANGER

Title (de)
DICHTUNGSSTRUKTUR FÜR EINEN WÄRMETAUSCHER UND WÄRMETAUSCHER

Title (fr)
STRUCTURE D'ÉTANCHÉITÉ D'ÉCHANGEUR DE CHALEUR ET ÉCHANGEUR DE CHALEUR

Publication
EP 2629042 A4 20150121 (EN)

Application
EP 11832619 A 20111014

Priority
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Abstract (en)
[origin: EP2629042A1] Provided is a sealing structure for a heat exchanger using caps which make installation processing of the caps easy and prevents liquid leakage, and a heat exchanger which, by working in combination with a flow channel member which impedes deformation, prevents space from forming between the cap and the flow channel member, thereby preventing liquid leakage. The heat exchanger (H) is provided with caps (2) which are installed by being inserted with pressure into the tubular flow channel member (1) and the openings on both ends of the flow channel member (1). The caps (2) are provided with a flow passage route (222) and diverging routes (271-278) for a heat medium to flow through, and an engaging member (23, 23b) which is a part to be engaged with the heat exchanger (H). The engaging member (23) has a larger radius than the inner diameter of the flow channel member (1), and concave grooves (251, 252) are formed along the entire perimeter of the engaging member in the longer direction of the circumference surface of the engaging member (23). The circumference surface of the engaging member (23) closely contacts the inner wall (12) of the flow channel member, and an open space (14) is formed

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• [XD] JP 2008106974 A 20080508 - LOCUS KK
• [XY] WO 2005010451 A1 20050203 - TAKEHARA TOSHIO [JP], et al
• [Y] JP 2000205782 A 20000728 - HITACHI CABLE
• [Y] JP H11132683 A 19990521 - HITACHI LTD
• See references of WO 2012050189A1

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