

Title (en)

Porous structure for fluid including a conduit

Title (de)

Poröse Struktur für Flüssigkeit, in die eine Leitung eingebaut ist

Title (fr)

Structure poreuse pour fluide incorporant un conduit

Publication

**EP 2679946 A1 20140101 (FR)**

Application

**EP 13290151 A 20130626**

Priority

FR 1201858 A 20120629

Abstract (en)

The heat exchanger (1) has a metal pipe (2) through which a fluid (F3) circulates, where the metal pipe is placed against a metal foam block (5) through which another fluid (F4) circulates. The metal pipe is fixed in an open housing formed on an outer surface of the metal foam block matching the shape of the metal pipe. The open housing of the metal foam block includes a bent portion placed between two openings emerging on both sides of the metal foam block, where the metal pipe is fixed to the metal foam block by brazing.

Abstract (fr)

L'invention concerne une structure poreuse (1) comprenant au moins un conduit métallique (2) dans lequel circule un premier fluide (F3) et contre lequel est disposé au moins un bloc de mousse métallique (5) à travers lequel circule un deuxième fluide (F4), caractérisé en ce que ledit conduit métallique (2) est fixé dans un logement ouvert réalisé sur une surface externe dudit bloc de mousse métallique (5) épousant la forme dudit conduit métallique (2).

IPC 8 full level

**F28F 13/00** (2006.01); **B22C 9/22** (2006.01); **C22C 1/08** (2006.01)

CPC (source: EP)

**B22C 9/10** (2013.01); **B22C 9/26** (2013.01); **B22D 25/005** (2013.01); **C22C 1/08** (2013.01); **C22C 1/083** (2023.01); **C22C 1/086** (2023.01); **F28F 13/003** (2013.01)

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Designated contracting state (EPC)

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