

Title (en)

CONNECTING JOINT TUBE AND HEAT EXCHANGER HAVING SAME

Title (de)

VERBINDUNGSVERBINDUNGSROHR UND WÄRMETAUSCHER DAMIT

Title (fr)

TUBE DE JOINT DE RACCORDEMENT ET ÉCHANGEUR DE CHALEUR LE COMPORTANT

Publication

EP 4354072 A1 20240417 (EN)

Application

EP 22815250 A 20220531

Priority

- CN 202121194724 U 20210531
- CN 2022096132 W 20220531

Abstract (en)

The disclosure provides a connecting tube and a heat exchanger. The connecting tube is configured to be connected with flat tubes. The connecting tube includes: two connection sections and a bent section, the two connection sections are disposed at two ends of the bent section respectively, the two connection sections are connected with the bent section to form a U-shaped tube, and an end, far away from the bent section, of the connection section is provided with a connection port; and the connection port has a flat mouth structure. According to a technical solution provided by the disclosure, a technical problem that a manufacturing process of a flat tube in the art known to inventors is complicated can be solved.

IPC 8 full level

F28F 9/26 (2006.01); **F25B 39/00** (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP KR)

F25B 39/00 (2013.01 - KR); **F28D 1/0478** (2013.01 - EP KR); **F28D 1/053** (2013.01 - KR); **F28F 1/006** (2013.01 - EP KR); **F28F 1/02** (2013.01 - EP KR); **F28F 9/26** (2013.01 - EP KR); **F28F 9/268** (2013.01 - EP); **F28F 1/32** (2013.01 - EP); **F28F 2260/02** (2013.01 - EP)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4354072 A1 20240417; **EP 4354072 A4 20240904**; CN 215766688 U 20220208; JP 2024520255 A 20240524; KR 20240010033 A 20240123; WO 2022253205 A1 20221208

DOCDB simple family (application)

EP 22815250 A 20220531; CN 202121194724 U 20210531; CN 2022096132 W 20220531; JP 2023562899 A 20220531; KR 20237043853 A 20220531