

Title (en)

HEAT EXCHANGER, PARTICULARLY FOR GAS OR OIL FIRED WATER HEATERS

Publication

**EP 0026271 B1 19830831 (DE)**

Application

**EP 80103781 A 19800703**

Priority

DE 7927253 U 19790926

Abstract (en)

[origin: EP0026271A2] 1. A heat exchanger, especially for a gas or oil heated water heater, comprising at least one outer tube (11) conducting a first heat transfer medium and through which extends at least one inner tube (31) smaller in diameter for a second heat transfer medium which is in heat exchange relationship with the first transfer medium and further comprising means arranged at the periphery of the inner tube (31) for the clearance-free retention and guiding of the said tube within the outer tube (11), characterised in that, the means for the clearance-free retention and guiding of the inner tube (31) are formed by a rail (60) provided separately from the said tube and which forces the inner tube (31) unilaterally against the inner wall of the outer tube (11).

IPC 1-7

**F24H 1/22**; **F28D 7/10**

IPC 8 full level

**F28D 7/16** (2006.01); **F24H 1/22** (2006.01); **F24H 1/52** (2006.01); **F28D 7/10** (2006.01); **F28F 9/013** (2006.01)

CPC (source: EP)

**F24H 1/52** (2013.01); **F24H 1/526** (2013.01); **F28F 9/013** (2013.01)

Cited by

CN113366276A; FR2627263A1; BE1006641A5; WO2020156615A1

Designated contracting state (EPC)

AT DE FR GB IT NL

DOCDB simple family (publication)

**EP 0026271 A2 19810408**; **EP 0026271 A3 19810527**; **EP 0026271 B1 19830831**; AT E4558 T1 19830915; DE 3064696 D1 19831006; DE 7927253 U1 19810326; ES 495337 A0 19811016; ES 8200178 A1 19811016; JP S5656583 A 19810518; YU 230580 A 19830930; YU 41943 B 19880229

DOCDB simple family (application)

**EP 80103781 A 19800703**; AT 80103781 T 19800703; DE 3064696 T 19800703; DE 7927253 U 19790926; ES 495337 A 19800925; JP 13308780 A 19800926; YU 230580 A 19800910