

Title (en)

A heat exchanger with a silicon carbide set of tubes and tube plates in enamelled steel

Title (de)

Wärmetauscher mit Siliziumkarbid-Röhren und emaillierten Stahl-Rohrplatten

Title (fr)

Échangeur de chaleur avec tubes en carbure de silicium et plaques tubulaires en acier émaillé

Publication

EP 2685201 A2 20140115 (EN)

Application

EP 13187710 A 20030318

Priority

- IT MI20022449 A 20021119
- EP 03005976 A 20030318

Abstract (en)

A heat exchanger comprising a set of tubes (11) consisting of silicon carbide (SiC) tubes mounted between two tube plates (12,21) in enamelled steel by means of a pressure seal system (22-24) along which the tube (11) may slide to compensate for thermal expansions.

IPC 8 full level

F28F 21/04 (2006.01); **F28F 9/02** (2006.01); **F28F 9/10** (2006.01); **F28F 19/02** (2006.01)

CPC (source: EP)

F28F 9/0229 (2013.01); **F28F 9/10** (2013.01); **F28F 19/02** (2013.01); **F28F 21/04** (2013.01); **F28F 2265/26** (2013.01)

Cited by

CN110291279A; CN106546120A; CN110779358A; CN106546121A; CN114144633A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1422488 A2 20040526; **EP 1422488 A3 20111214**; **EP 1422488 B1 20140226**; **EP 1422488 B2 20170125**; EP 2685201 A2 20140115; EP 2685201 A3 20140226; EP 2685201 B1 20201111; ES 2835223 T3 20210622; IT MI20022449 A1 20040520

DOCDB simple family (application)

EP 03005976 A 20030318; EP 13187710 A 20030318; ES 13187710 T 20030318; IT MI20022449 A 20021119