

Title (en)

HEAT EXCHANGER WITH RISING OR DESCENDING FUNNEL

Publication

**EP 0076416 B1 19861105 (DE)**

Application

**EP 82108629 A 19820918**

Priority

DE 3139451 A 19811003

Abstract (en)

[origin: EP0076416A1] 1. Heat exchangers consisting of winded tube, surrounded by an ascending or sinking shaft (2, 3) which in its not directly the heat exchanger enclosing zone (3) is consisting of one or several shafts, that exhibit a smaller inner diameter than outer diameter of the heat exchanger (1) thereby characterized, that the heat exchanger (1) is winded spirally for intensification of the free convection, the ascending or sinking shaft (2, 3) holds in its zone (3) that does not enclose directly the heat exchanger, altogether almost the same inner crosssectional area as the passage area of the heat exchanger (1) for the storage medium, and the heat exchanger (1) is arranged at the shaft end (2).

IPC 1-7

**F24H 1/18**

IPC 8 full level

**F24H 1/18** (2006.01); **F24H 1/20** (2006.01)

CPC (source: EP)

**F24H 1/20** (2013.01)

Cited by

EP0138682A3; FR2553181A1; WO2012041474A3

Designated contracting state (EPC)

AT BE CH DE FR LI NL

DOCDB simple family (publication)

**EP 0076416 A1 19830413**; **EP 0076416 B1 19861105**; AT E23403 T1 19861115; DE 3139451 A1 19830421; DE 3274152 D1 19861211

DOCDB simple family (application)

**EP 82108629 A 19820918**; AT 82108629 T 19820918; DE 3139451 A 19811003; DE 3274152 T 19820918