

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 0752569 A3 19971126 (DE)

Application
EP 96109642 A 19960615

Priority
DE 29510720 U 19950701

Abstract (en)
[origin: EP0752569A2] The heat exchanger arrangement comprises collection tubes (5,6) which penetrate both sides of an outer cover (2) of the heat exchanger (1). The collection tubes are connected to the outer cover in a pressure tight manner on the inlet and outlet sides. The tubes are each led into a receiving space (11) formed pressure tight with the outer cover. The meandering tube (7) is enclosed by an inner housing (8).

IPC 1-7
F28D 7/08; **F28F 9/00**

IPC 8 full level
F28D 1/06 (2006.01); **F28D 7/08** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP KR US)
F28D 7/08 (2013.01 - EP US); **F28D 7/085** (2013.01 - EP KR US); **F28F 9/0239** (2013.01 - EP US); **F28F 21/082** (2013.01 - KR); **Y10S 165/054** (2013.01 - EP US); **Y10S 165/055** (2013.01 - EP US); **Y10S 165/427** (2013.01 - EP KR US); **Y10S 165/44** (2013.01 - EP US)

Citation (search report)

- [XY] DE 1501681 A1 19690619 - WAAGNER BIRO AG
- [Y] US 3504737 A 19700407 - CHARCHAROS ANTHREAS NICHOLAS, et al
- [A] US 4528733 A 19850716 - LORD THOMAS J [US]
- [A] US 3749160 A 19730731 - VESTRE R
- [A] US 5159897 A 19921103 - FRANKE JOACHIM [DE], et al

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
DE 29510720 U1 19950907; CN 1149124 A 19970507; EP 0752569 A2 19970108; EP 0752569 A3 19971126; JP H09152283 A 19970610; KR 970007275 A 19970221; RU 2117892 C1 19980820; TW 330981 B 19980501; US 5871045 A 19990216

DOCDB simple family (application)
DE 29510720 U 19950701; CN 96111750 A 19960701; EP 96109642 A 19960615; JP 20269096 A 19960628; KR 19960026615 A 19960701; RU 96112770 A 19961028; TW 85107823 A 19960628; US 67308396 A 19960701