

Title (en)

HEAT TRANSFER ELEMENT COMPRISING PARALLEL TUBES WITH FINS

Publication

EP 0201665 B1 19890524 (DE)

Application

EP 86101327 A 19860201

Priority

CH 207685 A 19850515

Abstract (en)

[origin: US4789027A] The heat exchanger is formed of parallel rows of tubes and transverse ribs. The ribs have flat uncorrugated parts extending in zones about and along the rows of tubes as well as corrugated parts extending between the rows of tubes. The flat parts may be separated from the corrugated parts by stepped parts or fillers may be provided in the gaps between the uncorrugated parts. The gaps are to conduct a flow of medium in heat exchange relation to a flow of medium through the tubes. The crests and troughs of each corrugated part extend from the same plane adjacent a flat part and terminate in a similar plane at an adjacent flat part. Streamline-shaped inflow and outflow members aligned with the stepped part of the fin direct the flow of air.

IPC 1-7

F28B 1/06; **F28F 1/32**

IPC 8 full level

F28B 1/06 (2006.01); **F28F 1/32** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP US)

F28B 1/06 (2013.01 - EP US); **F28F 1/32** (2013.01 - EP US); **Y10S 165/504** (2013.01 - EP US); **Y10S 165/903** (2013.01 - EP US)

Cited by

WO2004068052A1; DE102011050275A1; FR2622283A1; US4789027A; DE19644674A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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