

Title (en)

Tube and fin heat exchanger.

Title (de)

Röhren- und Rippenwärmetauscher.

Title (fr)

Echangeur de chaleur à tubes et à ailettes.

Publication

EP 0138435 A2 19850424 (EN)

Application

EP 84306493 A 19840924

Priority

US 54340683 A 19831019

Abstract (en)

A tube and fin heat exchanger is disclosed having a plurality of U-shaped tubes (14), each comprising two substantially parallel legs (24) interconnected by a U-shaped bight portion (26), and being arranged within the heat exchanger so that each leg (24) thereof lies in a respective one of two separate banks of tube legs with the banks being staggered relative to one another so that each U-shaped tube (14) lies in a plane inclined at an acute angle to the longitudinal axes (32,34) of the banks, and the ends of the legs (24) are interconnected by manifolds (28, 30) having separate plenum chambers (48, 50, 52, 54, 56, 58) so as to convey fluid back and forth across the heat exchanger in a plurality of passes of several legs each.

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CPC (source: EP)

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Cited by

US5458190A; US5482112A; USRE35742E; US5246064A; US5898996A; EP0900605A3; US5607012A; EP0619468A3; US5190100A; USRE35711E; US5531268A; EP0360362A1; EP0255313A3; USRE35655E

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