

Title (en)

HEAT EXCHANGER FINS AND APPARATUS FOR MAKING SAME

Publication

EP 0005959 B2 19870826 (EN)

Application

EP 79300923 A 19790524

Priority

- GB 2533478 A 19780531
- GB 7910746 A 19790327

Abstract (en)

[origin: EP0005959A1] Fins for heat exchangers are arranged with louvres (46,47,56,57) or other inclined surfaces (44,45,54,55) which lie along planes which are inclined to the general direction of flow (A) of heat exchange medium over the fins. In one form the fins have mutually inclined V-shaped portions (44,45,54,55) with louvres (46,47,56,57) formed in the flanks (44,45,54,55) of the V. In this case the louvres (46,47,56,57) are in sets spaced from one another. The louvres (46,47,56,57) are inclined to the planes of the flanks (44,45,54,55) and in opposite directions on each flank (44,45,54,55). In another form the fins are made up of side by side strips (11,12,13) of corrugated material. The flanks (15) of the corrugations are inclined to the general direction of flow (A) of medium over the fin and the strips (11,12,13) are displaced from one another in their longitudinal direction. In each case the arrangement provides for a large gap between the strips (11,12,13) or the louvres (46,47,56,57) without a reduction in the number of strips (11,12,13) or louvres (46,47,56,57). The fins may be used in conjunction with tubes (31,50) through which another heat exchange medium is passed. An apparatus is also provided for making the corrugated fins.

IPC 1-7

F28F 1/12; **B21D 13/04**

IPC 8 full level

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CPC (source: EP)

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Cited by

EP0319451A1; FR2651568A1; EP0325553A1; FR2798990A1; US4648443A; AT385347B; US2017198983A1; US10094624B2; WO2019221169A1

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