

Title (en)

Heat exchanger having several heat exchanging portions

Title (de)

Wärmetauscher mit mehreren Wärmeaustauschteilen

Title (fr)

Echangeur de chaleur comportant plusieurs portions d'échange de chaleur

Publication

EP 0866298 B1 20030521 (EN)

Application

EP 98104696 A 19980316

Priority

JP 6323797 A 19970317

Abstract (en)

[origin: EP0866298A2] A ratio (Nc/Lc), in a condenser core portion (2), of the number (Nc) of louvers (220) to a width (Lc) of a condenser cooling fin (22), and a ratio (Nr/Lr), in a radiator core portion (3), of the number (Nr) of louvers to a width (Lr) of a radiator cooling fin (32) satisfy that the ratio in one core portion, out of the condenser and the radiator core portions, a required radiation amount of which is larger than that of the other core portion is larger than the ratio in the other core portion. Thus, in the core portion having a small required radiation amount, the number of louvers relative to the width of the cooling fin is small thereby decreasing the heat transfer ratio. However, by this, the air flow resistance in this core portion decreases thereby increasing an air flow amount. Thus, the radiation amount of the core portion having a large required radiation amount increases.
<IMAGE>

IPC 1-7

F28D 1/04; F28F 1/12

IPC 8 full level

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CPC (source: EP)

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Cited by

GB2372560A; FR2789167A1; CN113188273A; FR2785978A1; FR2798990A1; GB2356040A; GB2356040B; WO02068890A1; US6357518B1; US6561264B2; WO0106194A1

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