

Title (en)

Core unit of heat exchanger having electric heater

Title (de)

Kerneinheit eines Wärmetauschers mit elektrischem Heizer

Title (fr)

Noyau d'un échangeur de chaleur avec réchauffeur électrique

Publication

**EP 0857922 A2 19980812 (EN)**

Application

**EP 98102091 A 19980206**

Priority

- JP 2415497 A 19970206
- JP 9241797 A 19970410
- JP 21504297 A 19970808

Abstract (en)

A core unit (3) of a heat exchanger is composed of a plurality of parallel flat tubes (6), a plurality of corrugated fins (7), a support member (100) disposed between two of the corrugated fins (7) and an electric heater (9) disposed inside the support member (100). The support member (100) has a pair of parallel plates (10, 11) bonded to the corrugated fins (7) at the summits of corrugation of the corrugated fins (7). The electric heater (9) is composed of a heating element (9a) and an insulation member (9d) inserted between the heating element (9a) and the parallel plates (10, 11).  
<IMAGE>

IPC 1-7

**F24H 3/04**

IPC 8 full level

**F24H 3/04** (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP KR)

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Citation (applicant)

- JP S569732 A 19810131 - NAKAMURA SADA O
- JP S63203411 A 19880823 - NIPPON DENSO CO

Cited by

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