

Title (en)

PANEL HEAT EXCHANGER FORMED FROM PRE-FORMED PANELS

Title (de)

TAFELWÄRMETAUSCHER, DER AUS VORGEFERTIGTEN TAFELN GEBILDET IST

Title (fr)

ECHANGEUR DE CHALEUR A PLAQUES CONSTITUE DE PLAQUES PREFORMEES

Publication

**EP 0673496 B1 19980610 (EN)**

Application

**EP 94919451 A 19931216**

Priority

- CA 9300544 W 19931216
- GB 9226554 A 19921221

Abstract (en)

[origin: WO9415163A1] A panel (11) for a panel heat exchanger is disclosed, as well as panel heat exchangers formed from preformed panels. The panels (11) have a single layer of a plurality of tubes (14) in a spaced apart side-by-side relationship that are bonded to and provide fluid flow communication with manifolds (12, 13). The panels (11) are adapted to be bonded together in a laminar manner to form panel heat exchangers. Thus, panel heat exchangers are formed from preformed panels, optionally using "off the shelf" panels. A variety of fluid flow configurations may be used. The material of construction is preferably thermoplastic polymer. End uses depend on the polymer of construction, but may include refrigeration and automotive end uses.

IPC 1-7

**F28F 21/06**; **F28F 9/02**

IPC 8 full level

**F28F 9/02** (2006.01); **F28F 9/18** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP)

**F28F 9/0221** (2013.01); **F28F 21/062** (2013.01)

Cited by

US8006750B2; US6691774B2

Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

**WO 9415163 A1 19940707**; CA 2151914 A1 19940707; CA 2151914 C 20041109; DE 69319137 D1 19980716; DE 69319137 T2 19990211; EP 0673496 A1 19950927; EP 0673496 B1 19980610; GB 9226554 D0 19930217; JP 3621096 B2 20050216; JP H08508332 A 19960903

DOCDB simple family (application)

**CA 9300544 W 19931216**; CA 2151914 A 19931216; DE 69319137 T 19931216; EP 94919451 A 19931216; GB 9226554 A 19921221; JP 51463094 A 19931216