

Title (en)

HEAT EXCHANGER WITH BRAZED PLATES

Title (de)

WÄRMETAUSCHER MIT GELÖTETEN PLATTEN

Title (fr)

ECHANGEUR DE CHALEUR A PLAQUES BRASEES

Publication

EP 1348100 B1 20060315 (FR)

Application

EP 01989656 A 20011221

Priority

- FR 0104141 W 20011221
- FR 0017178 A 20001228

Abstract (en)

[origin: WO02054000A1] The invention concerns a heat exchanger comprising a stack of plates defining passages, containing corrugated fins comprising a transverse section with repeated corrugated pattern extending between two upper and lower end planes. The pattern comprises a base corrugated pattern (M) comprising corrugated legs (13) linked to corrugated summits (16) and corrugated bases (17), said base pattern being modified by a sub-pattern (M1) which defines, between at least some corrugated legs, additional leading edges (20, 21) located at an intermediate level between the end planes. The invention is applicable to cryogenic gas-gas heat exchangers.

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/02** (2006.01); **F28F 3/06** (2006.01); **F28F 3/08** (2006.01)

CPC (source: EP US)

F28D 9/0068 (2013.01 - EP US); **F28F 3/027** (2013.01 - EP US); **F28F 2250/108** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

WO 02054000 A1 20020711; CN 1284958 C 20061115; CN 1483134 A 20040317; DE 60118029 D1 20060511; DE 60118029 T2 20061228; EP 1348100 A1 20031001; EP 1348100 B1 20060315; FR 2819048 A1 20020705; FR 2819048 B1 20050819; JP 2004517293 A 20040610; JP 3974526 B2 20070912; US 2004144525 A1 20040729; US 7059397 B2 20060613

DOCDB simple family (application)

FR 0104141 W 20011221; CN 01821369 A 20011221; DE 60118029 T 20011221; EP 01989656 A 20011221; FR 0017178 A 20001228; JP 2002554461 A 20011221; US 25043404 A 20040218