

Title (en)
SERPENTINE TYPE HEAT EXCHANGER

Title (de)
SCHLANGENFÖRMIGER WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR DU TYPE SERPENTIN

Publication
EP 1195569 A1 20020410 (EN)

Application
EP 00915405 A 20000407

Priority
• JP 0002262 W 20000407
• JP 20157999 A 19990715

Abstract (en)
A serpentine type heat exchanger, comprising at least an inlet side header pipe, an outlet side header pipe, at least one serpentine tube which is extended from the inlet side header pipe, folded back in multiple stages with specified intervals, and led to the outside header pipe, and a corrugated fins disposed between multiple-stage folded-back refrigerant passages formed of the serpentine tubes, wherein the width of the heat exchanger in the direction of air flowing through the corrugated fins is formed within the range of approximately 35mm or longer to 65mm or shorter, the fin height pf the corrugated fins is formed within the range of approximately 5mm or longer to 13 mm or shorter, and the intervals between the folded-back refrigerant passages of the serpentine tubes are formed corresponding to the fin height. <IMAGE>

IPC 1-7
F28D 1/047

IPC 8 full level
F25B 1/00 (2006.01); **F25B 39/00** (2006.01); **F28D 1/047** (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP)
F28D 1/0478 (2013.01); **F28F 1/128** (2013.01)

Cited by
DE202017102436U1; EP1945066A4; US7650935B2; EP1111318B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1195569 A1 20020410; **EP 1195569 A4 20050608**; JP 2001027484 A 20010130; WO 0106193 A1 20010125

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EP 00915405 A 20000407; JP 0002262 W 20000407; JP 20157999 A 19990715