

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR

Publication
EP 1028170 A1 20000816 (EN)

Application
EP 98944299 A 19980929

Priority
• JP 9804375 W 19980929
• JP 26608397 A 19970930

Abstract (en)
A heat exchanger (1) has tubes (2) and fins (3) alternately stacked and ends of the tubes inserted into and connected to header pipes (4); wherein the tubes (2) are formed of a flat tube material by roll molding or press molding, a tube material for forming the tubes (2) has an aluminum alloy of Al-Mn-based one or the like as a core material and an Al-Zn-based aluminum alloy not containing Si clad on a layer to be the outer surface of the tube, so to improve pitting corrosion resistance of the tubes. <IMAGE>

IPC 1-7
C22C 21/00; F28F 21/08; B23K 1/00; B23K 1/19

IPC 8 full level
C22C 21/00 (2006.01); **F28D 1/03** (2006.01); **F28F 19/06** (2006.01)

CPC (source: EP)
F28D 1/0391 (2013.01); **F28F 19/06** (2013.01)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9916920 A1 19990408; EP 1028170 A1 20000816; EP 1028170 A4 20020619; JP H11106855 A 19990420

DOCDB simple family (application)
JP 9804375 W 19980929; EP 98944299 A 19980929; JP 26608397 A 19970930