

Title (en)
SOLDERED HEAT EXCHANGER NETWORK

Title (de)
GELÖTETES WÄRMEÜBERTRAGERNETZ

Title (fr)
RÉSEAU D'ÉCHANGE THERMIQUE SOUDÉ À L'ETAIN

Publication
EP 1668303 A1 20060614 (DE)

Application
EP 04786924 A 20040909

Priority
• EP 2004010068 W 20040909
• DE 10343905 A 20030919

Abstract (en)
[origin: WO2005028986A1] The invention relates to a soldered heat exchanger network comprising folded flat multichamber tubes and wave-like ribs that are provided with fins. The multichamber tubes encompass at least two chambers, each of which is formed by folded webs that are soldered in the interior of the multichamber tube. According to the invention, the wave-like ribs (13, 14) are provided with fin-free fields (17a, 17b; 18a, 18b) in the area of the web or webs (7, 8).

IPC 1-7
F28F 1/12; **F28D 1/03**

IPC 8 full level
F28D 1/03 (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP US)
F28D 1/0391 (2013.01 - EP US); **F28F 1/128** (2013.01 - EP US)

Citation (search report)
See references of WO 2005028986A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005028986 A1 20050331; CN 1853082 A 20061025; DE 10343905 A1 20050609; EP 1668303 A1 20060614; EP 1668303 B1 20180404; US 2007029074 A1 20070208; US 2009266527 A1 20091029

DOCDB simple family (application)
EP 2004010068 W 20040909; CN 200480027098 A 20040909; DE 10343905 A 20030919; EP 04786924 A 20040909; US 49945509 A 20090708; US 57247906 A 20060828