

Title (en)
BENDED HEAT EXCHANGER

Title (de)
GENEIGTER WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR COURBÉ

Publication
EP 3141858 A4 20180124 (EN)

Application
EP 15788925 A 20150506

Priority
• CN 201410188198 A 20140506
• CN 2015078406 W 20150506

Abstract (en)
[origin: EP3141858A1] Disclosed is a bended heat exchanger (10), which comprises: a first collecting pipe (101) and a second collecting pipe (102); a plurality of flat pipes (103), which have two ends thereof respectively connected with the first collecting pipe (101) and the second collecting pipe (102) and which are arranged spaced apart from each other along the axial directions thereof; and fins (104) which are arranged between adjacent flat pipes (103) and extend in a corrugated manner along the length direction of the flat pipes (103), the thickness of the fin (104) being FT; in the first and the second collecting pipes (101, 102), the larger external diameter is OD, and the larger wall thickness is T; the width of the flat pipes (103) is W, the arc radius of the fin (104) is FR, the height of the fin (104) is FH, and $0.01\pi(100 \times FT \times FR \times T)/(FH \times OD)\pi^9$.

IPC 8 full level
F28D 1/053 (2006.01)

CPC (source: EP KR US)
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Citation (search report)
• [A] EP 0855567 A2 19980729 - MODINE MFG CO [US]
• [A] CN 103411446 A 20131127 - SANHUA HANGZHOU MICRO CHANNEL HEAT EXCHANGER CO LTD
• [A] EP 1962040 A1 20080827 - DELPHI TECH INC [US]
• See references of WO 2015169231A1

Cited by
US2022196344A1; CN110160283A; US11585609B2

Designated contracting state (EPC)
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