

Title (en)
Spiral heat exchanger

Title (de)
Spiralwärmeaustauscher

Title (fr)
Echangeur de chaleur en spirale

Publication
EP 1114975 A3 20020327 (DE)

Application
EP 00117298 A 20000818

Priority
DE 10000288 A 20000107

Abstract (en)
[origin: DE10000288C1] The heat exchanger (1) has spiral elements (3) for at least two media (A,B). Each spiral element is formed with a partly slotted central tube (4) with an end-facing entry chamber and an exit chamber with an end-facing exit. A multichannel profile (5) is sealingly connected to the slot in the central tube and curves around the central tube in a spiral. The multichannel profile has a wedge-shaped sealed end section at a deflector area. The width of the multichannel profile is a multiple of its height.

IPC 1-7
F28D 9/04

IPC 8 full level
F28D 7/04 (2006.01); **F28D 9/04** (2006.01); **F28F 1/02** (2006.01)

CPC (source: EP)
F28D 7/04 (2013.01); **F28D 9/04** (2013.01); **F28F 1/022** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 105 (M - 1092) 13 March 1991 (1991-03-13)

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