

Title (en)
Helical heat exchanger

Title (de)
Wendelförmiger Wärmeaustauscher

Title (fr)
Echangeur de chaleur hélicoïdal

Publication
EP 1398580 A3 20041215 (DE)

Application
EP 03020369 A 20030910

Priority
• AT 1022003 A 20030127
• DE 10243077 A 20020916

Abstract (en)
[origin: EP1398580A2] Helical heat exchanger (1) comprises an inlet and an outlet. The region (4) in which the inlet enters the helix and the region (5) in which the outlet exits the helix do not overlap when viewed in the direction of the central axis (6) of the helix. Preferred Features: The heat exchanger has at least two turns. The region between the inlet and outlet in the direction of the periphery of the circle is small, preferably less than 90degrees.

IPC 1-7
F24H 1/43

IPC 8 full level
F24H 1/43 (2006.01); **F28D 7/02** (2006.01)

CPC (source: EP)
F24H 1/43 (2013.01); **F28D 7/024** (2013.01); **F28F 1/02** (2013.01)

Citation (search report)
• [XY] FR 2700608 A1 19940722 - LE MER JOSEPH [FR]
• [Y] EP 1039246 A2 20000927 - VIESSMANN WERKE KG [DE]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 26 1 July 2002 (2002-07-01)

Cited by
CN109387109A; EP1813882A1; FR2896856A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1398580 A2 20040317; EP 1398580 A3 20041215; DE 10341644 A1 20040415; DE 10341644 B4 20210923

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EP 03020369 A 20030910; DE 10341644 A 20030910