

Title (en)  
Heat exchanger

Title (de)  
Wärmeübertrager

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1248064 B1 20090513 (DE)**

Application  
**EP 02007439 A 20020330**

Priority  
DE 10116949 A 20010405

Abstract (en)  
[origin: EP1248064A1] Heat exchanger comprises tubular spirals (2) arranged on top of each other and opening into a common distribution pipe (3) and collecting pipe (4). The tubular spirals are double spirals running inward from a point on the outer periphery, reversing direction near the center, and running outward again in the radial intermediate space in the same plane. Preferred Features: The tubular coils are mirror images of each other and are alternately connected to the distribution pipe and collecting pipe.

IPC 8 full level  
**F28D 7/04** (2006.01)

CPC (source: EP)  
**F28D 7/04** (2013.01)

Cited by  
FR2962201A1; WO2012049318A1; WO2004109209A1; WO2006045551A3

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1248064 A1 20021009; EP 1248064 B1 20090513**; AT E431534 T1 20090515; DE 10116949 A1 20021017; DE 50213537 D1 20090625

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**EP 02007439 A 20020330**; AT 02007439 T 20020330; DE 10116949 A 20010405; DE 50213537 T 20020330