

Title (en)  
Heater

Title (de)  
Heizgerät

Title (fr)  
Chaudière

Publication  
**EP 1746361 A1 20070124 (DE)**

Application  
**EP 06013729 A 20060703**

Priority  
DE 202005011633 U 20050720

Abstract (en)  
The heating apparatus has the ends (101, 102, 201, 202) of its two concentric spiral heat exchangers (1, 2) bonded against each other in pairs and hydraulically connected to each other, with a common connector (10, 11). Both the cover elements on the connectors have sealed through apertures. The combustion chamber is cylindrical.

IPC 8 full level  
**F24H 1/43** (2006.01); **F24H 9/12** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP)  
**F24H 1/43** (2013.01); **F24H 9/13** (2022.01); **F28D 7/024** (2013.01); **F28F 9/0246** (2013.01)

Citation (applicant)  
• DE 10211489 C1 20030626 - VIESSMANN WERKE KG [DE]  
• DE 69402051 T2 19971009 - LE MER JOSEPH [FR]

Citation (search report)  
[AD] DE 69402051 T2 19971009 - LE MER JOSEPH [FR]

Cited by  
US2010044011A1; US2014352286A1; US9261005B2; NL2004147C2; EP2354703A3

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

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1746361 A1 20070124**; DE 202005011633 U1 20061130

DOCDB simple family (application)  
**EP 06013729 A 20060703**; DE 202005011633 U 20050720