

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur thermique

Publication  
**EP 2042821 B1 20151223 (DE)**

Application  
**EP 08016339 A 20080917**

Priority  
TR 200706718 A 20070928

Abstract (en)  
[origin: EP2042821A2] The exchanger has a base body (1) with heat emitting and absorbing flow channels (4, 5) respectively for a heat emitting medium and a heat absorbing medium e.g. hot water. A heat transfer from the emitting medium to the absorbing medium takes place over a heat transmitting wall (3). The channel (5) is helically guided along the wall and is limited by a helical fin (6). Another heat-absorbing flow channel (7) for another heat-absorbing medium e.g. drinking water, is arranged in the channel (5), follows a helical run of the channel (5), and is partially surrounded by the former medium.

IPC 8 full level  
**F24H 1/52** (2006.01); **F24H 1/24** (2006.01); **F24H 9/00** (2006.01); **F28D 7/00** (2006.01); **F28D 7/02** (2006.01)

CPC (source: EP)  
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Cited by  
EP3076102A1; CN106247710A; CN103591682A; NL2003917C2; CN102741642A; NL2004147C2; EP2354703A3; US9638438B2; WO2015006321A1; WO2011071374A3

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DOCDB simple family (publication)  
**EP 2042821 A2 20090401**; **EP 2042821 A3 20131127**; **EP 2042821 B1 20151223**; TR 200706718 A1 20090421

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