

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur thermique

Publication  
**EP 2042821 A3 20131127 (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)  
**F24H 1/24** (2013.01); **F24H 1/52** (2013.01); **F24H 9/0015** (2013.01); **F28D 7/0066** (2013.01); **F28D 7/028** (2013.01); **F28D 7/022** (2013.01); **F28D 7/026** (2013.01)

Citation (search report)

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- [Y] EP 1340947 A1 20030903 - LORENZ CHRISTIAN DR-ING [DE], et al
- [Y] FR 1301171 A 19620810 - SAUNIER DUVAL
- [A] FR 813803 A 19370609
- [A] WO 2006105605 A1 20061012 - BAKER ALAN PAUL [AU], et al

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

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

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