

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1703227 B1 20150225 (DE)**

Application  
**EP 06004561 A 20060307**

Priority  
DE 102005012235 A 20050315

Abstract (en)  
[origin: EP1703227A2] The exchanger has two coils (20, 30), which are made from heat conducting material. The coils have same coil distance, where mutual offset of the coaxially arranged coils amounts to a half of the coil distance, so that the windings of the coils radially overlap one another. An axial coil distance and a diagonal gap between the coils are fixed by a spacer. A deflector plate divides volume bounded by the coils in to two partial volumes. Independent claims are also included for the following: (1) a method of operating a heat exchanger (2) a method of manufacturing a heat exchanger.

IPC 8 full level  
**F24H 1/43** (2006.01); **F28D 7/00** (2006.01); **F28D 7/02** (2006.01); **F28F 9/013** (2006.01)

CPC (source: EP)  
**F24H 1/43** (2013.01); **F28D 7/0066** (2013.01); **F28D 7/024** (2013.01); **F28F 9/0132** (2013.01); **F28F 2210/04** (2013.01)

Cited by  
DE102012006407A1; IT201600074665A1; EP2784408A1; DE102013103191A1; CN105135678A; US10012413B2; US9702587B2; CN102762930A; EP2381186A4; AU2010346932B2; AU2010346932B8; WO2015160498A3; WO2018015799A1; EP1965146A1

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