

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1754946 B1 20150722 (DE)**

Application  
**EP 06017134 A 20060817**

Priority  
US 20628905 A 20050818

Abstract (en)  
[origin: EP1754946A2] The heat exchanger collector has a collector tube (10) with a number of openings for heat exchanger tubes (120, 125) and a number of protrusions (30) on the end of the collector tube for holding an end element. The protrusions form an opening, e.g. a semicircular opening, at each end of the collector tube : Independent claims are also included for (A) an air conditioning system (B) and a motor vehicle with a heating and air conditioning system with a heat exchanger.

IPC 8 full level  
**F28F 9/00** (2006.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)  
**F28D 1/05366** (2013.01 - EP US); **F28F 9/001** (2013.01 - EP US); **F28F 9/0243** (2013.01 - EP US); **F28D 2021/0084** (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US)

Cited by  
US11668532B2

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

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**EP 1754946 A2 20070221; EP 1754946 A3 20120829; EP 1754946 B1 20150722; US 2007039723 A1 20070222**

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