

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1460363 A3 20070801 (DE)**

Application  
**EP 04005357 A 20040305**

Priority  
DE 10312780 A 20030321

Abstract (en)  
[origin: EP1460363A2] The coolant inlet opening is located on the narrow side. The coolant outlet opening is located on the long side.

IPC 8 full level  
**F28D 1/03** (2006.01); **F28D 1/053** (2006.01); **F28F 9/02** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP)  
**F28D 1/0333** (2013.01); **F28D 1/035** (2013.01); **F28D 1/05391** (2013.01); **F28F 9/0246** (2013.01); **F28D 2021/0085** (2013.01)

Citation (search report)

- [XY] DE 19924004 A1 20001130 - BEHR GMBH & CO [DE]
- [DY] DE 10056074 A1 20020508 - BEHR GMBH & CO [DE]
- [X] US 2002023736 A1 20020228 - INABA HIROYUKI [JP], et al
- [X] US 4258785 A 19810331 - BELDAM RICHARD P

Cited by  
DE102015210184A1; DE102016201027A1; CN108344210A; CN108413659A; FR3062198A1; US8695689B2; US9897356B2; WO2008110249A1; WO2009074196A3; WO2018134444A1; DE102016219205A1; DE102016219205B4

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

Designated extension state (EPC)  
AL LT LV MK

DOCDB simple family (publication)  
**EP 1460363 A2 20040922; EP 1460363 A3 20070801; EP 1460363 B1 20120509**; DE 10312780 A1 20041125

DOCDB simple family (application)  
**EP 04005357 A 20040305**; DE 10312780 A 20030321