

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1643202 A1 20060405 (DE)**

Application  
**EP 05021623 A 20051004**

Priority  
• DE 102004048569 A 20041004  
• DE 102004056790 A 20041124

Abstract (en)  
Heat exchanger comprises a longitudinal chamber (35) with a longitudinal chamber partner (39) delimited by a separating wall (51) with transfer openings are formed in a longitudinal section (54) lying opposite an inlet opening. Preferred Features: The longitudinal chamber partner is delimited by a separating wall having smaller transfer openings in the longitudinal section lying opposite the inlet opening than in the remaining region of the wall.

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

CPC (source: EP)  
**F28D 1/05391** (2013.01); **F28F 9/0204** (2013.01); **F28F 9/028** (2013.01); **F25B 39/02** (2013.01); **F28D 2021/0071** (2013.01)

Citation (applicant)  
• EP 0947792 B1 20020731 - DENSO CORP [JP]  
• DE 10312780 A1 20041125 - BEHR GMBH & CO KG [DE]

Citation (search report)  
• [XA] EP 1298401 A2 20030402 - HALLA CLIMATE CONTROL CORP [KR]  
• [XA] EP 0683373 A1 19951122 - SANDEN CORP [JP]  
• [DA] EP 0947792 A2 19991006 - DENSO CORP [JP]  
• [A] DE 4305060 A1 19940825 - BEHR GMBH & CO [DE]  
• [A] US 2004159121 A1 20040819 - HORIUCHI HIROFUMI [JP], et al  
• [PA] WO 2005052488 A1 20050609 - ZEXEL VALEO CLIMATE CONTR CORP [JP], et al

Cited by  
DE102015210184A1; EP2175223A4; EP2447657A3; US10161686B2; WO2015142615A1; WO2020123653A1; US9546824B2

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

DOCDB simple family (publication)  
**EP 1643202 A1 20060405**; **EP 1643202 B1 20090513**; AT E431535 T1 20090515; DE 102004056790 A1 20060406;  
DE 502005007265 D1 20090625

DOCDB simple family (application)  
**EP 05021623 A 20051004**; AT 05021623 T 20051004; DE 102004056790 A 20041124; DE 502005007265 T 20051004