

Title (en)  
CHARGE-AIR/COOLANT COOLER

Title (de)  
LADELUFT-/KÜHLMITTEL-KÜHLER

Title (fr)  
REFROIDISSEUR D'AIR DE SURALIMENTATION/D'AGENT REFRIGERANT

Publication  
**EP 1687579 B1 20081029 (DE)**

Application  
**EP 04797760 A 20041110**

Priority  
• EP 2004012695 W 20041110  
• DE 10352880 A 20031110

Abstract (en)  
[origin: US7721795B2] The invention relates to a heat exchanger, especially a charge-air/coolant cooler (1), consisting of a plurality of disks (2), two adjacent disks (2) defining an intermediate region through which a heat exchanging medium flows. Said heat exchanger also comprises a heat exchanging medium inlet (9) and a heat exchanging medium outlet (11), that are common to the disks (2). At least two heat exchanging medium channels (5, 6) are respectively provided for the heat exchanging medium inlet and the heat exchanging medium outlet (9 and 11).

IPC 8 full level  
**F28D 9/00** (2006.01)

CPC (source: EP US)  
**F28D 9/005** (2013.01 - EP US); **F28D 2021/0082** (2013.01 - EP US)

Citation (examination)  
DE 19511991 A1 19961002 - BEHR GMBH & CO [DE]

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

DOCDB simple family (publication)  
**WO 2005045343 A1 20050519**; AT E412864 T1 20081115; BR PI0415871 A 20070109; BR PI0415871 B1 20180925; CN 1875236 A 20061206; CN 1875236 B 20101013; DE 10352880 A1 20050609; DE 502004008366 D1 20081211; EP 1687579 A1 20060809; EP 1687579 B1 20081029; JP 2007510882 A 20070426; US 2007131402 A1 20070614; US 7721795 B2 20100525

DOCDB simple family (application)  
**EP 2004012695 W 20041110**; AT 04797760 T 20041110; BR PI0415871 A 20041110; CN 200480032670 A 20041110; DE 10352880 A 20031110; DE 502004008366 T 20041110; EP 04797760 A 20041110; JP 2006538772 A 20041110; US 57903704 A 20041110