

Title (en)

Cooler of an EGR system and EGR system with such a cooler

Title (de)

Kühler eines Abgasrückführsystems sowie Abgasrückführsystem mit einem derartigen Kühler

Title (fr)

Refroidisseur d'un système de recirculation de gaz d'échappement et système de recirculation de gaz d'échappement avec un tel refroidisseur

Publication

EP 1277945 B1 20060913 (DE)

Application

EP 01116718 A 20010718

Priority

EP 01116718 A 20010718

Abstract (en)

[origin: EP1277945A1] The cooler (10) has a housing (12) formed with coolant inflow and outflow ports (16) and which encloses at least one by-pass pipe.

IPC 8 full level

F02M 26/25 (2016.01); **F02M 26/32** (2016.01); **F28D 7/16** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP US)

F02M 26/25 (2016.02 - EP US); **F02M 26/32** (2016.02 - EP US); **F28D 7/1669** (2013.01 - EP US); **F28F 27/02** (2013.01 - EP US); **F28F 2250/06** (2013.01 - EP US)

Cited by

DE102010015442A1; DE102017119880A1; DE102017119880B4; EP1455079A3; DE10203003B4; EP1288603A3; CN110332829A; EP2259000A1; DE10216773A1; DE10216773B4; DE102010015442B4; DE10349887A1; DE10349887B4; US8353274B2; DE102009028487A1; DE102011117362A1; WO2008006604A1; WO2008003486A1; US7032577B2; US7168419B2; US8936070B2; WO2013034774A2; US8695332B2; US9103300B2; JP2009543994A; DE202008005508U1; DE102007036582A1; EP2020544A1; EP1367253B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1277945 A1 20030122; **EP 1277945 B1 20060913**; AT E339610 T1 20061015; DE 50111008 D1 20061026; ES 2272382 T3 20070501; PT 1277945 E 20061229; US 2003015184 A1 20030123; US 6718956 B2 20040413

DOCDB simple family (application)

EP 01116718 A 20010718; AT 01116718 T 20010718; DE 50111008 T 20010718; ES 01116718 T 20010718; PT 01116718 T 20010718; US 96952501 A 20011002