

Title (en)

HEAT TRANSMISSION UNIT FOR A MOTOR VEHICLE

Title (de)

WÄRMEÜBERTRAGEREINHEIT FÜR EIN KRAFTFAHRZEUG

Title (fr)

UNITE DE TRANSMISSION DE CHALEUR POUR UN VEHICULE AUTOMOBILE

Publication

EP 1171745 B1 20070905 (DE)

Application

EP 00918766 A 20000307

Priority

- DE 19916475 A 19990413
- EP 0001964 W 20000307

Abstract (en)

[origin: US6601640B1] The invention relates to a heat transmission unit for a motor vehicle, comprising a fan cowling (12) and at least one heat exchanger (14) connected thereto. In order to provide an improved heat transmission unit which can be especially produced in an economical manner and which enables easy connection to the heat exchanger to the fan cowling especially during pre-assembly of the cooling module, the heat exchanger (14) is maintained on the fan cowling (12) by means of its manifolds (18, 20).

IPC 8 full level

B60H 1/32 (2006.01); **F28F 9/00** (2006.01); **F28D 1/053** (2006.01); **F01P 11/10** (2006.01)

CPC (source: EP US)

F28D 1/053 (2013.01 - EP US); **F28F 9/002** (2013.01 - EP US); **F01P 11/10** (2013.01 - EP US); **F01P 2070/52** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 6601640 B1 20030805; AT E372494 T1 20070915; AU 3961000 A 20001114; DE 19916475 A1 20001019; DE 50014630 D1 20071018; EP 1171745 A1 20020116; EP 1171745 B1 20070905; JP 2002541024 A 20021203; WO 0062003 A1 20001019

DOCDB simple family (application)

US 95890202 A 20020111; AT 00918766 T 20000307; AU 3961000 A 20000307; DE 19916475 A 19990413; DE 50014630 T 20000307; EP 0001964 W 20000307; EP 00918766 A 20000307; JP 2000611021 A 20000307