

Title (en)

HEAT PRODUCING UNIT FOR A MOTOR VEHICLE

Title (de)

WÄRMEGEWINNUNGSANLAGE FÜR EIN KRAFTFAHRZEUG

Title (fr)

UNITÉ DE PRODUCTION THERMIQUE D'UN VÉHICULE AUTOMOBILE

Publication

EP 4370357 A1 20240522 (FR)

Application

EP 22736293 A 20220701

Priority

- FR 2107533 A 20210712
- EP 2022068354 W 20220701

Abstract (en)

[origin: WO2023285173A1] The invention relates to a heat-producing unit (6) intended to be fitted to a motor vehicle (1), the heat-producing unit (6) comprising at least a heat-transport fluid circuit (10) and a refrigerant-fluid circuit (12) and comprising a plurality of components selected from at least one refrigerant compression member (22), a refrigerant expansion member (26) and at least one heat exchanger (28) configured to exchange heat energy between the refrigerant fluid and the heat-transport fluid, characterized in that the heat-producing unit (6) comprises at least one fluid interface (14) intended to connect the heat-transport fluid circuit (10) to an installation external to the heat-producing unit (6), and in that the heat-producing unit (6) comprises a thermal and acoustic insulation device (20).

IPC 8 full level

B60H 1/00 (2006.01); **B60H 1/32** (2006.01); **B60K 5/12** (2006.01); **B60K 11/02** (2006.01)

CPC (source: EP KR)

B60H 1/00535 (2013.01 - EP KR); **B60H 1/3226** (2013.01 - EP KR); **B60H 1/32284** (2019.05 - EP KR); **B60H 1/3229** (2013.01 - EP KR); **B60K 11/02** (2013.01 - EP); **B60H 2001/006** (2013.01 - EP KR); **B60K 5/1216** (2013.01 - EP); **B60Y 2200/90** (2013.01 - KR); **B60Y 2306/09** (2013.01 - KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3125111 A1 20230113; **FR 3125111 B1 20240614**; CN 117730008 A 20240319; EP 4370357 A1 20240522; KR 20240018624 A 20240213; WO 2023285173 A1 20230119

DOCDB simple family (application)

FR 2107533 A 20210712; CN 202280045766 A 20220701; EP 2022068354 W 20220701; EP 22736293 A 20220701; KR 20247000683 A 20220701