

Title (en)

DEVICE FOR THERMAL TREATMENT OF AIR FOR A VEHICLE WITH IMPROVED TEMPERATURE MANAGEMENT

Title (de)

VORRICHTUNG ZUR THERMISCHEN BEHANDLUNG VON LUFT FÜR EIN FAHRZEUG MIT VERBESSERTEM TEMPERATURMANAGEMENT

Title (fr)

DISPOSITIF DE TRAITEMENT THERMIQUE D'AIR POUR VÉHICULE A GESTION DE TEMPERATURE AMÉLIORÉE

Publication

EP 4313641 A1 20240207 (FR)

Application

EP 22720588 A 20220331

Priority

- FR 2103367 A 20210331
- EP 2022058651 W 20220331

Abstract (en)

[origin: WO2022207838A1] The invention relates to a device (1) for thermal treatment of air for a vehicle, comprising a conveying duct (5), a heating duct (7) and a mixing chamber (11). A mixing device (21) is configured to be able to move between a first end position (A), which prevents air from circulating between the conveying duct (5) and the mixing chamber (11), and a second end position, which prevents the air from circulating in the heating duct (7). The mixing device (21) comprises a main flap (23) and a deflection element projecting from the main flap (23), the deflection element comprising at least one front rib and at least one lateral rib extending one end of the front rib.

IPC 8 full level

B60H 1/00 (2006.01)

CPC (source: EP KR US)

B60H 1/00514 (2013.01 - KR); **B60H 1/00564** (2013.01 - US); **B60H 1/00671** (2013.01 - US); **B60H 1/00678** (2013.01 - EP KR); **B60H 2001/00721** (2013.01 - EP 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)

WO 2022207838 A1 20221006; CN 117460632 A 20240126; EP 4313641 A1 20240207; JP 2024512711 A 20240319; KR 20230152115 A 20231102; US 2024174046 A1 20240530

DOCDB simple family (application)

EP 2022058651 W 20220331; CN 202280036859 A 20220331; EP 22720588 A 20220331; JP 2023560522 A 20220331; KR 20237033213 A 20220331; US 202218553038 A 20220331