

Title (en)

HEATING AND/OR COOLING DEVICE FOR VEHICLES PROVIDED WITH AN INNER FLOOR

Title (de)

HEIZ- UND/ODER KÜHLVORRICHTUNG FÜR FAHRZEUGE MIT EINER INNENBODENFLÄCHE

Title (fr)

DISPOSITIF DE CHAUFFAGE ET/OU DE REFRIGERATION POUR VEHICULES MUNIS D'UN PLANCHER INTERNE

Publication

EP 2983957 A1 20160217 (FR)

Application

EP 14733303 A 20140407

Priority

- FR 1300852 A 20130411
- IB 2014000916 W 20140407

Abstract (en)

[origin: WO2014167415A1] The invention relates to a device for heating and/or cooling a vehicle provided with an inner floor, including a supporting structure (10), an elongate structural element (9) and an inner floor (3), in which: a) said elongate structural element (9) includes a profile member (90) which is made of a heat-conductive material and which has an upper bearing surface (97) for supporting the inner floor elements, and a heating and/or cooling unit (40) in contact with said profile member; b) each inner floor element (30) includes an edge (31) made of a heat-conductive material which has a lower bearing surface (37) and a heat-conductive layer (32) in contact with said edge; c) after mounting said inner floor, said lower bearing surface (37) and said upper bearing surface (97) are connected to one another by means of one or more contact surfaces (S) ensuring good thermal conductivity between said inner floor element and said profile member.

IPC 8 full level

B61D 17/10 (2006.01)

CPC (source: EP)

B61D 17/10 (2013.01)

Citation (search report)

See references of WO 2014167415A1

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

DOCDB simple family (publication)

WO 2014167415 A1 20141016; EP 2983957 A1 20160217; EP 2983957 B1 20191016; ES 2764405 T3 20200603; FR 3004526 A1 20141017; FR 3004526 B1 20181012; HU E046843 T2 20200330; PL 2983957 T3 20200331

DOCDB simple family (application)

IB 2014000916 W 20140407; EP 14733303 A 20140407; ES 14733303 T 20140407; FR 1300852 A 20130411; HU E14733303 A 20140407; PL 14733303 T 20140407