

Title (en)

HEATING AND VENTILATION DEVICE FOR A RAILWAY CARRIAGE CONSTITUTED BY TWO END COMPARTMENTS WITH A SINGLE DECK AND A CENTRAL COMPARTMENT WITH TWO DECKS

Publication

EP 0251200 B1 19901122 (FR)

Application

EP 87109122 A 19870625

Priority

FR 8609382 A 19860627

Abstract (en)

[origin: US4774877A] The heating and ventilating system for a railway car having two single-storey end compartments (A, B) and a two-storey (C1, C2) central compartment (C), comprises heating/ventilating units (1A, 1B) in the top parts of each end compartment, each supplying a transverse distribution duct (3A, 3B) connected to two longitudinal ducts (4A, 5A; 4B, 5B) blowing into the end compartment and to two other longitudinal ducts (10A, 11A; 10B, 11B) blowing into one storey of the central compartment. The four longitudinal ducts (10A, 11A; 10B, 11B) blowing into the central compartment are located in two casings (20) forming part of the floor structure of said second storey, both ducts from one of the air units being provided with auxiliary, vertical ducts (12).

IPC 1-7

B61D 27/00

IPC 8 full level

B61D 1/06 (2006.01); **B61D 27/00** (2006.01)

CPC (source: EP US)

B61D 27/0018 (2013.01 - EP US)

Cited by

DE29507057U1; DE4131271C1; AU641327B1; FR3074766A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0251200 A1 19880107; **EP 0251200 B1 19901122**; AT E58508 T1 19901215; AU 586342 B2 19890706; AU 7472087 A 19880107; BR 8703259 A 19880315; CA 1314851 C 19930323; DE 3766298 D1 19910103; DK 167433 B1 19931101; DK 327487 A 19871228; DK 327487 D0 19870626; ES 2018666 B3 19910501; FR 2600607 A1 19871231; FR 2600607 B1 19900413; GR 3001476 T3 19921008; JP H0798482 B2 19951025; JP S638068 A 19880113; US 4774877 A 19881004

DOCDB simple family (application)

EP 87109122 A 19870625; AT 87109122 T 19870625; AU 7472087 A 19870625; BR 8703259 A 19870626; CA 540728 A 19870626; DE 3766298 T 19870625; DK 327487 A 19870626; ES 87109122 T 19870625; FR 8609382 A 19860627; GR 910400182 T 19910213; JP 15877887 A 19870625; US 6717687 A 19870629