

Title (en)

AIR DISTRIBUTION SYSTEM FOR A VEHICLE, HVAC SYSTEM FOR A VEHICLE COMPRISING SUCH AIR DISTRIBUTION SYSTEM, AND RELATED VEHICLE

Title (de)

LUFTVERTEILUNGSSYSTEM FÜR EIN FAHRZEUG, HLK-SYSTEM FÜR EIN FAHRZEUG MIT EINEM SOLCHEN LUFTVERTEILUNGSSYSTEM UND ENTSPRECHENDES FAHRZEUG

Title (fr)

SYSTÈME DE DISTRIBUTION D'AIR POUR UN VÉHICULE, SYSTÈME DE CVC POUR UN VÉHICULE COMPORTANT UN TEL SYSTÈME DE DISTRIBUTION D'AIR ET VÉHICULE CORRESPONDANT

Publication

**EP 3854654 A1 20210728 (EN)**

Application

**EP 21152917 A 20210122**

Priority

IN 202041003186 A 20200124

Abstract (en)

An air distribution system (1) for distributing conditioned air inside a vehicle, in particular a railway vehicle (100), comprising at least:- a first duct (10) having a first air intake (11) for introducing conditioned air inside the first duct (10), a first conduit (12) and a second conduit (13) which extend, along a longitudinal axis (X), in a first direction and in a respective opposite second direction with reference to the first air intake (11). The first air intake (11) comprises a first splitter (14) splitting the incoming conditioned air into a first flow (1D) conveyed inside the first conduit (12), and a second flow (1R) conveyed inside the second conduit (13);- a second duct (20) having a second air intake (21) for introducing conditioned air inside the second duct (20), a third conduit (22) and a fourth conduit (23) which extend, along the longitudinal axis (X), along said first direction and said respective opposite second direction with reference to the second air intake (21). The second air intake (21) comprises a second splitter (24) splitting incoming conditioned air into a third flow (2D) conveyed inside the third conduit (22), and a fourth flow (2R) conveyed inside the fourth conduit (23). The invention also provides a HVAC system (200) comprising such an air distribution system, and a related vehicle (100), in particular a railway vehicle.

IPC 8 full level

**B61D 27/00** (2006.01)

CPC (source: EP)

**B61D 27/0018** (2013.01)

Citation (search report)

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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)

**EP 3854654 A1 20210728**

DOCDB simple family (application)

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