

Title (en)

LINEAR AIR DIFFUSER MODULE COMPRISING A MULTIFUNCTIONAL SUPPORT MEMBER FOR A CAR BODY OF A PUBLIC TRANSPORTATION VEHICLE

Title (de)

LINEARES LUFTDIFFUSORMODUL MIT EINEM MULTIFUNKTIONELLEN STÜTZELEMENT FÜR EINEN WAGENKASTEN EINES FAHRZEUG DES ÖFFENTLICHEN VERKEHRS

Title (fr)

MODULE DE DIFFUSEUR D'AIR LINÉAIRE COMPRENANT UN ÉLÉMENT DE SUPPORT MULTIFONCTIONNEL POUR UNE CARROSSERIE D'UN VÉHICULE DE TRANSPORT PUBLIC

Publication

EP 3168104 A1 20170517 (EN)

Application

EP 15194642 A 20151116

Priority

EP 15194642 A 20151116

Abstract (en)

A linear air diffuser module (12), comprises an elongated support member (18) and a diffuser plate (20). The support member (18) including two longitudinal upright wall portions (26) facing one another and laterally enclosing a longitudinal air channel (28) provided with at least one upper opening and at least one elongated lower opening (31). The air diffuser plate (20) extends between the two longitudinal upright wall portions (26) to cover the lower opening (31) and is provided with diffusion openings (32) to direct a flow of air from the air channel (28) to an interior space (16) of a vehicle body of a public transportation vehicle. The support member (18) is a multifunctional structural member of the vehicle body provided with at least two upper C-shaped attachment rails (40) for attaching the linear air diffuser module (12) to the ceiling structure (10) and one or more lower C-shaped attachment rails (42) for attaching interior fitments (14) of the interior space (16) of the vehicle body to the support member (18).

IPC 8 full level

B61D 27/00 (2006.01)

CPC (source: EP)

B61D 27/00 (2013.01)

Citation (applicant)

- US 4354323 A 19821019 - HUFF WARREN P
- DE 202012009059 U1 20121024 - LTG AG [DE]

Citation (search report)

- [A] DE 202012009059 U1 20121024 - LTG AG [DE]
- [A] US 4352323 A 19821005 - BURKARTH JACK L
- [A] US 2013319282 A1 20131205 - MITANI YUICHIROU [JP], et al
- [A] DE 29914658 U1 20000921 - DAIMLER CHRYSLER AG [DE]
- [A] DE 10258748 A1 20040624 - HYMER LEICHTMETALLBAU [DE]
- [A] WO 2012156272 A1 20121122 - SIEMENS AG [DE], et al
- [A] EP 2335954 A1 20110622 - BOMBARDIER TRANSP GMBH [DE]

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)

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