

Title (en)
RAIL VEHICLE WITH DIFFERENT PASSENGER ZONES

Title (de)
SCHIENENFAHRZEUG MIT VERSCHIEDENEN PASSAGIERZONEN

Title (fr)
VÉHICULE FERROVIAIRE AVEC DIFFÉRENTES ZONES DE PASSAGERS

Publication
EP 3251912 A1 20171206 (EN)

Application
EP 16172510 A 20160601

Priority
EP 16172510 A 20160601

Abstract (en)
Rail vehicle (1; 6), comprising - at least two coaches (2, 3, 4, 5; 7, 8, 9, 10), - passenger zones, wherein each of said passenger zones extends over a substantially longitudinal section of the coach (2, 3, 4, 5; 7, 8, 9, 10) and over the width (W) of the coach (2, 3, 4, 5; 7, 8, 9, 10), and wherein each of said passenger zones is selected from i) a first passenger zone (PZ1-1, PZ1-2), wherein 43% to 70% of the total area (A) of the first passenger zone (PZ1-1, PZ1-2) is occupied by seats (11), ii) a second passenger zone (PZ2-1, PZ2-2, PZ2-3, PZ2-4), wherein 26% to 42% of the total area (A) of the second passenger zone (PZ2-1, PZ2-2, PZ2-3, PZ2-4) is occupied by seats (11, 12; 50, 51, 54, 55; 34, 36, 37, 39; 56), iii) a third passenger zone (PZ3-1, PZ3-2, PZ3-3), wherein 10% to 25% of the total area (A) of the third passenger zone (PZ3-1, PZ3-2, PZ3-3) is occupied by seats (11, 64, 65, 66, 74, 75), wherein at least one of the coaches (2, 3, 4, 5; 7, 8, 9, 10) comprises at least two of said passenger zones i), ii) iii), and the rail vehicle (1; 6) comprises each of said passenger zones i), ii) iii) at least once.

IPC 8 full level
B61D 1/04 (2006.01); **B61D 37/00** (2006.01)

CPC (source: EP)
B61D 1/04 (2013.01); **B61D 37/00** (2013.01)

Citation (applicant)
EP 2535236 A2 20121219 - BOMBARDIER TRANSP GMBH [DE]

Citation (search report)

- [XDI] EP 2535236 A2 20121219 - BOMBARDIER TRANSP GMBH [DE]
- [XI] DE 19617978 A1 19970109 - WOLF JUERGEN DR [DE]
- [XI] EP 2100789 A1 20090916 - ALSTOM TRANSPORT SA [FR]
- [XI] DE 102013102698 A1 20140918 - BOMBARDIER TRANSP GMBH [DE]
- [XI] DE 102011118951 A1 20130523 - DB SYSTEMTECHNIK GMBH [DE]
- [XI] DE 9416537 U1 19941201 - AMMENDORF WAGGONBAU [DE]
- [A] DE 102013001174 A1 20140724 - SIEMENS AG [DE]
- [XI] MUELLER R ET AL: "EINE AUTOMATISCHE U-BAHN. TECHNISCHE BESONDERHEITEN DER AGT-FAHRZEUGE FUER NUERNBERG", ETR EISENBAHNTECHNISCHE RUNDSCHAU, HESTRA-VERLAG. DARMSTADT, DE, vol. 52, 1 November 2003 (2003-11-01), pages 679 - 685, XP001536300
- [A] STOCKLI J: "ERNEUERUNG DES WAGENPARKS DER BLS DURCH UMBAU DES EINHEITSWAGENS TYP 1", ZEITSCHRIFT FUR EISENBAHNWESEN UND VERKEHRSTECHNIK. DIE EISENBAHNTECHNIK + GLASERS ANNALEN, GEORG SIEMENS VERLAGSBUCHHANDLUNG. BERLIN, DE, vol. 112, no. 12, 1 December 1988 (1988-12-01), pages 434 - 438, XP000026537, ISSN: 0941-0589

Cited by
CN113753090A; CN114407955A; CN111898863A; WO2021232515A1; WO2022167566A1

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 3251912 A1 20171206; EP 3251912 B1 20220420

DOCDB simple family (application)
EP 16172510 A 20160601