

Title (en)
DOUBLE DECKER RAILWAY VEHICLE FOR PASSENGERS

Title (de)
DOPPELSTÖCKIGES SCHIENENFAHRZEUG FÜR PASSAGIERE

Title (fr)
VOITURE FERROVIAIRE PASSAGERS À DEUX NIVEAUX

Publication
EP 2363333 A1 20110907 (FR)

Application
EP 11154911 A 20110217

Priority
FR 1000740 A 20100224

Abstract (en)
The carriage (1) has an intermediate floor comprising a lowered part that is provided with a side circulation unit at an upper level of the carriage. A non lowered part of the floor is provided with a central circulation unit (15) at a lower level of the carriage. An accessing platform (2) is arranged along width direction of the carriage. A side staircase is arranged in longitudinal direction along an interior face of the carriage and directed from the accessing platform toward center of the carriage.

Abstract (fr)
L'invention concerne une voiture ferroviaire passagers à deux niveaux (1) comportant un plancher intermédiaire (7), qui comporte : - une partie abaissée (7c) constituant une circulation latérale (10) au niveau supérieur de ladite voiture, et - une partie non abaissée (7a) constituant une circulation centrale (15) au niveau inférieur de ladite voiture.

IPC 8 full level
B61D 1/06 (2006.01); **B61D 35/00** (2006.01); **B61D 37/00** (2006.01)

CPC (source: EP)
B61D 1/06 (2013.01); **B61D 35/005** (2013.01); **B61D 37/006** (2013.01)

Citation (search report)
• [XA] DE 102005002701 A1 20060727 - BOMBARDIER TRANSP GMBH [DE]
• [YA] FR 2859967 A1 20050325 - ALSTOM [FR]
• [YA] FR 2700310 A1 19940713 - COLLET CLAUDE [FR]
• [A] DE 102006042070 A1 20080313 - BOMBARDIER TRANSP GMBH [DE]
• [X] CLEON L M: "LE TGV 2N, DE L'IDEE A LA PRE-SERIE", REVUE GENERALE DES CHEMINS DE FER, CENTRALE DES REVUES DUNOD-GAUTHIER-VILLARS. PARIS, FR, no. 4, 1 April 1993 (1993-04-01), pages 11 - 18, XP000355883, ISSN: 0035-3183

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EP4368471A1; FR3141914A1; WO2014063892A1; US11608090B2; US11772686B2; EP3225493B1

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

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EP 2363333 A1 20110907; **EP 2363333 B1 20200401**; ES 2793677 T3 20201116; FR 2956640 A1 20110826; FR 2956640 B1 20141121

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