

SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B61 RAILWAYS

B61D BODY DETAILS OR KINDS OF RAILWAY VEHICLES (vehicles in general B60; adaptation of vehicles to special systems B61B; underframes B61F)

Subclass index

KINDS OF VEHICLES

Passenger; goods; tank; mine.....	1/00, 3/00, 5/00, 11/00
Hopper; tipping.....	7/00, 9/00
Tramway.....	13/00
Other.....	15/00

BODY DETAILS AND ACCESSORIES

Details

bodywork: general; doors; steps; windows; movable roofs; loading means.....	17/00, 19/00, 23/00, 25/00, 39/00, 47/00
interior fittings: sleeping; seating; sanitation; air- conditioning; lighting; other.....	31/00, 33/00, 35/00, 27/00, 29/00, 37/00
devices using movement of vehicle.....	43/00
other.....	49/00

Accessories

signs, ticket-holders.....	41/00
covers; securing load.....	39/00, 45/00
other.....	49/00

Kinds of railway or tramway vehicles

1/00 Carriages for ordinary railway passenger traffic (mine cars B61D 11/00; tramcars B61D 13/00)

- 1/02 • General arrangements in sleeping or couchette carriages (B61D 1/08 takes precedence)
- 1/04 • General arrangements of seats (B61D 1/06 takes precedence; seats *per se* B61D 33/00)
- 1/06 • with multiple deck arrangement
- 1/08 • • of sleeping carriages

3/00 Wagons or vans (tank wagons B61D 5/00; hopper wagons B61D 7/00; tipping wagons B61D 9/00; mine cars B61D 11/00; vehicles adapted for animal transportation B60P 3/04)

- 3/02 • with multiple deck arrangements (for carrying vehicles B61D 3/18) [4]
- 3/04 • with movable floors, e.g. rotatable or floors which can be raised or lowered
- 3/06 • Flat-bottomed cars convertible into hoppers
- 3/08 • Flat wagons including posts or standards
- 3/10 • Articulated vehicles
- 3/12 • • comprising running gear interconnected by loads
- 3/14 • • comprising running gear interconnected by load supports facilitating low-level load transport
- 3/16 • adapted for carrying special loads [4]
- 3/18 • • for vehicles [4]
- 3/20 • • for forwarding containers [4]

5/00 Tank wagons for carrying fluent materials (tank aspects B65D 88/00, B65D 90/00, F17C)

- 5/02 • having more than one tank
- 5/06 • Mounting of tanks; Integral bodies and frames

7/00 Hopper cars (flat-bottomed cars convertible into hoppers B61D 3/06) [2]

- 7/02 • with discharge openings in the bottoms (with body in two halves and discharge by tipping the halves B61D 9/00)
- 7/04 • • the openings being above axle level during discharge
- 7/06 • with openings capable of discharging both between and outside the wheels
- 7/08 • with openings capable of discharging only outside the wheels
- 7/10 • • the discharge being assisted by tipping the bottom
- 7/12 • the hoppers being movable (B61D 9/00 takes precedence)
- 7/14 • Adaptations of hopper elements to railways
- 7/16 • • Closure elements for discharge openings
- 7/18 • • • pivoted
- 7/20 • • • sliding
- 7/22 • • • Sealing means thereof
- 7/24 • • • Opening or closing means
- 7/26 • • • • mechanical
- 7/28 • • • • hydraulic or pneumatic
- 7/30 • • • • controlled by means external to cars
- 7/32 • • Means for assisting charge or discharge

B61D

9/00 Tipping wagons

- 9/02 • characterised by operating means for tipping
- 9/04 • Adaptations of rail vehicle elements to tipping wagons
- 9/06 • • Bodies
- 9/08 • • Frames; Supporting or guiding means for the bodies
- 9/10 • • Devices preventing overturning when tipping
- 9/12 • • Body fittings or devices facilitating or controlling outflow on discharge
- 9/14 • Tipping systems controlled by trackside means

11/00 Mine cars (B61D 5/00-B61D 9/00 take precedence)

- 11/02 • Body construction

13/00 Tramway vehicles

- 13/02 • Double-deckers

15/00 Other railway vehicles, e.g. scaffold cars; Adaptations of vehicles for use on railways (conveyer frames mounted for movement on rail tracks B65G 41/02; wheeled machines used in permanent-way construction or maintenance E01B)

- 15/02 • Breakdown cranes (crane gear B66C)
- 15/04 • convertible into other non-vehicular apparatus, e.g. exhibition stands
- 15/06 • Buffer cars; Arrangements or construction of railway vehicles for protecting them in case of collisions (buffers B61G 11/00)
- 15/08 • Railway inspection trolleys
- 15/10 • • hand or foot-propelled
- 15/12 • • power-propelled

Body details of railway or tramway vehicles

17/00 Construction details of vehicle bodies (for tank wagons B61D 5/00; for hopper cars B61D 7/00; body details specially adapted for tipping wagons B61D 9/06; for mine cars B61D 11/00)

- 17/02 • reducing air resistance by modifying contour
- 17/04 • with bodies of metal; with composite, e.g. metal and wood, body structures
- 17/06 • • End walls
- 17/08 • • Sides
- 17/10 • • Floors
- 17/12 • • Roofs (movable or foldable roofs, covers, or tarpaulins B61D 39/00)
- 17/14 • • • with gangways
- 17/16 • • • Hatches in roofs
- 17/18 • • Internal lining, e.g. insulating
- 17/20 • • Communication passages between coaches; Adaptation of coach ends therefor
- 17/22 • • • flexible, e.g. bellows
- 17/24 • with body structures of wood
- 17/26 • with body structures of concrete

19/00 Door arrangements peculiar to rail vehicles (vehicle door arrangements in general B60J; vehicle locks E05B 65/12; door-operating mechanisms E05F)

- 19/02 • for carriages

23/00 Construction of steps for railway vehicles (ladders in general E06C)

- 23/02 • Folding steps for railway vehicles

25/00 Window arrangements peculiar to rail vehicles (vehicle window arrangements in general B60J; cleaning vehicle windows B60S; heating arrangements specially adapted for transparent or reflecting areas H05B 3/84)

Heating, cooling, ventilating, lighting, or air-conditioning, peculiar to rail vehicles

27/00 Heating, cooling, ventilating, or air-conditioning

29/00 Arrangement of lighting devices for rail vehicles

Furniture or furnishings peculiar to rail vehicles

31/00 Sleeping accommodation

33/00 Seats

35/00 Sanitation

37/00 Other furniture or furnishings

Other details peculiar to rail vehicles

39/00 Wagon or like covers; Tarpaulins; Movable or foldable roofs

41/00 Indicators for reserved seats; Warning or like signs; Devices or arrangements in connection with tickets, e.g. ticket holders; Holders for cargo tickets or the like

- 41/02 • Holders or devices for cargo tickets or the like
- 41/04 • Indicators for reserved seats
- 41/06 • Holders for fare tickets

43/00 Devices for using the energy of the movements of the vehicles

45/00 Means or devices for securing or supporting the cargo, including protection against shocks

47/00 Loading or unloading devices combined with vehicles, e.g. loading platforms (combined with vehicles in general B60P)

49/00 Other details