

B61 RAILWAYS**B61D BODY DETAILS OR KINDS OF RAILWAY VEHICLES** (vehicles in general B60; adaptation of vehicles to special systems B61B; underframes B61F)

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; leading 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

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 fitments 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

B61D

- 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 (for vehicles in general B60)

- 27/00 Heating, cooling, ventilating, or air-conditioning**
- 29/00 Arrangement of lighting devices for rail vehicles**

Furniture or furnishings peculiar to rail vehicles (for vehicles in general B60)

- 31/00 Sleeping accommodation**
- 33/00 Seats**
- 35/00 Sanitation**
- 37/00 Other furniture or furnishings**

Other details peculiar to rail vehicles (for vehicles in general B60)

- 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**