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

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** (conveyor 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 specially adapted for rail vehicles** (locks for vehicles E05B 77/00 – E05B 85/00; 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**