SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B61 RAILWAYS

B61C LOCOMOTIVES; MOTOR RAILCARS (vehicles in general B60; frames or bogies B61F; special railroad equipment for locomotives B61J, B61K)

Note(s)

This subclass covers:
- general design features or items of locomotives and motor railcars not otherwise provided for;
- non-electric features of electric locomotives.

Subclass index

Locomotives or motor railcars in general or characterised by the type of motive power plant used

1/00 **Steam locomotives or railcars** (characterised by power transmissions B61C 9/00; engines F01; boilers F22B) **[1, 2006.01]**

1/02 • of articulated construction; with two or more engines (appliances of booster engines B61C 15/02) **[1, 2006.01]**

1/04 • with steam accumulators (steam accumulators F01K) **[1, 2006.01]**

1/06 • Streamlining (of coachwork B61D) **[1, 2006.01]**

1/08 • Arrangement or disposition of combustion apparatus or accessories therefor **[1, 2006.01]**

1/10 • Arrangement or disposition of steam generators **[1, 2006.01]**

1/12 • Arrangement or disposition of condensers **[1, 2006.01]**

1/14 • Arrangement or disposition of exhaust apparatus **[1, 2006.01]**

3/00 **Electric locomotives or railcars** (characterised by power transmission B61C 9/00; electrical features B60L, H02) **[1, 2006.01]**

3/02 • with electric accumulators **[1, 2006.01]**

5/00 **Locomotives or motor railcars with IC engines or gas turbines** (characterised by power transmission B61C 9/00; engines F02) **[1, 2006.01]**

5/02 • Arrangement or disposition of intakes and apparatus for supplying, circulating, or filtering air for combustion or engine-cooling purposes **[1, 2006.01]**

5/04 • Arrangement or disposition of exhaust apparatus **[1, 2006.01]**

7/00 **Other locomotives or motor railcars characterised by the type of motive power plant used; Locomotives or motor railcars with two or more different kinds or types of motive power [1, 2006.01]**

7/02 • Locomotives or motor railcars with pneumatic accumulators **[1, 2006.01]**

7/04 • Locomotives or motor railcars with two or more different kinds or types of engines, e.g. steam and IC engines **[1, 2006.01]**

8/00 **Filling stations for steam- or pneumatic-accumulator locomotives or motor railcars [1, 2006.01]**

9/00 **Locomotives or motor railcars characterised by the type of transmission system used; Transmission systems specially adapted for locomotives or motor railcars** (machine elements F16) **[1, 2006.01]**

9/02 • Transmission systems in or for locomotives or motor railcars with reciprocating-piston steam engines **[1, 2006.01]**

9/04 • • consisting of cranked axles and coupling-rods **[1, 2006.01]**

9/06 • • having toothed, chain, friction, or belt gearing **[1, 2006.01]**

9/08 • Transmission systems in or for locomotives or motor railcars with IC reciprocating-piston engines **[1, 2006.01]**

9/10 • • mechanical (combined with hydraulic gearing B61C 9/14) **[1, 2006.01]**

9/12 • • • with change-speed gearing **[1, 2006.01]**

9/14 • • hydraulic, including combinations with mechanical gearing **[1, 2006.01]**

9/16 • • • using gearing of the hydrostatic type **[1, 2006.01]**

9/18 • • • using gearing of the hydrokinetic type **[1, 2006.01]**

9/20 • • • • with mechanical change-speed gearing **[1, 2006.01]**

9/22 • • pneumatic **[1, 2006.01]**

9/24 • • electric (B61C 9/38 takes precedence) **[1, 2006.01]**

9/26 • • with transmission shafts at an angle to the driving axles **[1, 2006.01]**

9/28 • Transmission systems in or for locomotives or motor railcars with rotary prime movers, e.g. turbines **[1, 2006.01]**

9/30 • • mechanical (combined with hydraulic gearing B61C 9/34) **[1, 2006.01]**

9/32 • • • with change-speed gearing **[1, 2006.01]**

9/34 • • hydraulic, including combinations with mechanical gearing **[1, 2006.01]**

9/36 • • electric (B61C 9/38 takes precedence) **[1, 2006.01]**

9/38 • Transmission systems in or for locomotives or motor railcars with electric motor propulsion (electrical features B60L, H02) **[1, 2006.01]**

9/40 • • with cranked axles and coupling-rods **[1, 2006.01]**

9/42 • • hydraulic **[1, 2006.01]**

9/44 • • with hollow transmission shaft concentric with wheel axis **[1, 2006.01]**

9/46 • • with motors forming parts of wheels **[1, 2006.01]**

9/48 • • with motors supported on vehicle frames and driving axles, e.g. axle or nose suspension **[1, 2006.01]**

9/50 • • • in bogies **[1, 2006.01]**

9/52 • • with transmission shafts at an angle to the driving axles **[1, 2006.01]**

Locomotives or motor railcars characterised by the type of means applying the tractive effort, or by their application to special railway systems or purposes

11/00 Locomotives or motor railcars characterised by the type of means applying the tractive effort; Arrangement or disposition of running gear other than normal driving wheels (construction of wheels B60B) **[1, 2006.01]**

11/02 • tractive effort applied to cables or chains **[1, 2006.01]**

11/04 • tractive effort applied to racks **[1, 2006.01]**

11/06 • tractive effort applied or supplied by aerodynamic force or fluid reaction, e.g. air-screws or jet or rocket propulsion **[1, 2006.01]**

13/00 Locomotives or motor railcars characterised by their application to special systems or purposes (B61C 11/00 takes precedence; self-propelled scaffold cars, break-down cranes, inspection trolleys B61D 15/00; general design of track recording vehicles B61K 9/00) **[1, 2006.01]**

13/02 • for towing or transporting ships or for like special purposes **[1, 2006.01]**

13/04 • for elevated railways with rigid rails (B61C 13/08 takes precedence) **[1, 2006.01]**

13/06 • for railways with suspended flexible tracks, e.g. rope railways **[1, 2006.01]**

13/08 • for saddle or like balanced-type railways **[1, 2006.01]**

Details or accessories not otherwise provided for

15/00 Maintaining or augmenting the starting or braking power by auxiliary devices and measures; Preventing wheel slippage; Controlling distribution of tractive effort between driving wheels (propelling locomotives or motor railcars by special means B61C 11/00; driving wheels with non-slipping devices B60B; brakes B61H; wetting or lubricating rails B61K) **[1, 2006.01]**

15/02 • by auxiliary driving wheels; by temporary coupling or use of flywheels or booster engines **[1, 2006.01]**

15/04 • by controlling wheel pressure, e.g. by movable weights or heavy parts or by magnetic devices (magnetic brakes B61H) **[1, 2006.01]**

15/06 • • by displacing fuel, ballast, or the like **[1, 2006.01]**

15/08 • Preventing wheel slippage (adjusting wheel-braking force to prevent wheel slippage B60T 8/00) **[1, 2006.01]**

15/10 • • by depositing sand or like friction-increasing materials (for vehicles in general B60B; combined control of sanding apparatus and brakes B61H) **[1, 2006.01]**

15/12 • • by reducing the driving power **[1, 2006.01]**

15/14 • controlling distribution of tractive effort between driving wheels **[1, 2006.01]**

17/00 Arrangement or disposition of parts; Details or accessories not otherwise provided for; Use of control gear and control systems [1, 2, 2006.01]

17/02 • Bunkers; Tanks; Tenders (coachwork B61D); Water or fuel pick-up or scoop apparatus; Water or fuel supply fittings (trackside installations, e.g. bunkers, tanks, for filling locomotives with sand or water B61K 11/00) **[1, 2006.01]**

17/04 • Arrangement or disposition of driving cabins, footplates, or engine rooms; Ventilation thereof (driving cabins or accessories B61D) **[1, 2006.01]**

17/06 • Power storing devices **[1, 2006.01]**

17/08 • Lubrication systems (in general F16N) **[1, 2006.01]**

17/10 • Connecting-rods for driving wheels; Arrangements of their bearings (connecting-rods or bearings, in general F16C 7/00, F16C 9/04) **[1, 2006.01]**

17/12 • Control gear; Arrangements for controlling locomotives from remote points in the train or when operating in multiple units (control from points outside the train B61L 3/00; fluid-actuated telemotors, servomotors F15B; control devices in general G05) **[1, 2006.01]**