**CPC COOPERATIVE PATENT CLASSIFICATION**

**B PERFORMING OPERATIONS; TRANSPORTING**

(NOTES omitted)

**TRANSPORTING**

**B61 RAILWAYS**

(QUOTE omitted)

**B61K OTHER AUXILIARY EQUIPMENT FOR RAILWAYS** (energy storing brakes B61H; protection of permanent way against weather influences E01B; rail cleaning, snow ploughs E01H)

**WARNING**

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Transferring passengers, articles, or freight to and from moving trains; Slipping or coupling vehicles from or to moving trains

1/02 . . . transferring articles to and from moving trains, e.g. mailbag catchers

3/00 Wetting or lubricating rails or wheel flanges

3/02 . . . Apparatus therefor combined with vehicles

5/00 Apparatus for placing vehicles on the track; Derailers; Lifting or lowering rail vehicle axles or wheels (hoisting apparatus B66)

5/02 . . . Devices secured to the vehicles; Turntables integral with the vehicles

5/04 . . . Devices secured to the track

5/06 . . . Derailing or re-railing blocks

7/00 Railway stops fixed to permanent way; Track brakes or retarding apparatus fixed to permanent way; Sand tracks or the like (skids, wedges, vehicle-mounted scotch blocks B61H)

7/02 . . . Track brakes or retarding apparatus (operating mechanisms for track-mounted scotch blocks B61L)

7/025 . . . (Retarders of the mushroom type)

7/04 . . . with clamping action

7/06 . . . operated mechanically

7/08 . . . operated pneumatically or hydraulically

7/10 . . . electrodynamic (on vehicles B60L (; B61K 7/025 takes precedence))

7/12 . . . electrically controlled (B61K 7/025 takes precedence)

7/14 . . . Sand or like tracks

7/16 . . . Positive railway stops

7/18 . . . Buffer stops

7/20 . . . Positive wheel stops

7/22 . . . Axle stops

9/00 Railway vehicle profile gauges; Detecting or indicating overheating of components; Apparatus on locomotives or cars to indicate bad track sections; General design of track recording vehicles

9/02 . . . Profile gauges, e.g. loading gauges

9/04 . . . Detectors for indicating the overheating of axle bearings and the like, e.g. associated with the brake system for applying the brakes in case of a fault

9/06 . . . by detecting or indicating heat radiation from overheated axles

9/08 . . . Measuring installations for surveying permanent way (applications of measuring apparatus or devices for track building purposes E01B 35/00; measuring techniques G01)

9/10 . . . for detecting cracks in rails or welds thereof

9/12 . . . Measuring or surveying wheel-rims (measuring techniques G01)

11/00 Serving peculiar to locomotives, e.g. filling with, or emptying of, water, sand, or the like at the depots (lifting or lowering axles or wheels B61K 5/00; filling stations for steam or pneumatic accumulator locomotives B61C 8/00; water or fuel supply fittings on locomotives B61C 17/02; refuelling locomotives with solid fuels B65G 67/18; washing or cleaning boilers F28G)

11/02 . . . Water columns for locomotives

13/00 Other auxiliaries or accessories for railways (safety belts or harnesses A62B 35/00)

13/02 . . . Starting aids for cars amplifying the drawbar pull and transmitting it to the wheels

13/04 . . . Passenger-warning devices attached to vehicles; Safety devices for preventing accidents to passengers when entering or leaving vehicles (for preventing passengers from being injured by movements of doors B61D 19/026)