

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

TRANSPORTING

B61 RAILWAYS

(NOTE 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.

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|-------------|---|--------------|---|
| 1/00 | Transferring passengers, articles, or freight to and from moving trains; Slipping or coupling vehicles from or to moving trains | 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 |
| 1/02 | • transferring articles to and from moving trains, e.g. mailbag catchers | 9/06 | • • by detecting or indicating heat radiation from overheated axles |
| 3/00 | Wetting or lubricating rails or wheel flanges | 9/08 | • Measuring installations for surveying permanent way (applications of measuring apparatus or devices for track building purposes E01B 35/00 ; measuring techniques G01) |
| 3/02 | • Apparatus therefor combined with vehicles | 9/10 | • • for detecting cracks in rails or welds thereof |
| 5/00 | Apparatus for placing vehicles on the track; Derailers; Lifting or lowering rail vehicle axles or wheels (hoisting apparatus B66) | 9/12 | • Measuring or surveying wheel-rims (measuring techniques G01) |
| 5/02 | • Devices secured to the vehicles; Turntables integral with the vehicles | 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) |
| 5/04 | • Devices secured to the track | 11/02 | • Water columns for locomotives |
| 5/06 | • • Derailing or re-railing blocks | 13/00 | Other auxiliaries or accessories for railways (safety belts or harnesses A62B 35/00) |
| 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) | 13/02 | • Starting aids for cars amplifying the drawbar pull and transmitting it to the wheels |
| 7/02 | • Track brakes or retarding apparatus (operating mechanisms for track-mounted scotch blocks B61L) | 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)} |
| 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 | | |