

# 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.

- |             |   |              |   |
|-------------|---|--------------|---|
| <b>1/00</b> | <b>Transferring passengers, articles, or freight to and from moving trains; Slipping or coupling vehicles from or to moving trains</b>  | 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   |
| <b>3/00</b> | <b>Wetting or lubricating rails or wheel flanges</b>  | 9/08         | • Measuring installations for surveying permanent way (applications of measuring apparatus or devices for track building purposes <a href="#">E01B 35/00</a> ; measuring techniques <a href="#">G01</a> )   |
| 3/02        | • Apparatus therefor combined with vehicles   | 9/10         | • • for detecting cracks in rails or welds thereof  |
| <b>5/00</b> | <b>Apparatus for placing vehicles on the track; Derailers; Lifting or lowering rail vehicle axles or wheels (hoisting apparatus <a href="#">B66</a>)</b>  | 9/12         | • Measuring or surveying wheel-rims (measuring techniques <a href="#">G01</a> )   |
| 5/02        | • Devices secured to the vehicles; Turntables integral with the vehicles  | <b>11/00</b> | <b>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 <a href="#">B61K 5/00</a>; filling stations for steam or pneumatic accumulator locomotives <a href="#">B61C 8/00</a>; water or fuel supply fittings on locomotives <a href="#">B61C 17/02</a>; refuelling locomotives with solid fuels <a href="#">B65G 67/18</a>; washing or cleaning boilers <a href="#">F28G</a>)</b> |
| 5/04        | • Devices secured to the track  | 11/02        | • Water columns for locomotives   |
| 5/06        | • • Derailing or re-railing blocks  | <b>13/00</b> | <b>Other auxiliaries or accessories for railways (safety belts or harnesses <a href="#">A62B 35/00</a>)</b>   |
| <b>7/00</b> | <b>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 <a href="#">B61H</a>)</b>  | 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 <a href="#">B61L</a> )  | 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 <a href="#">B61D 19/026</a> )}   |
| 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 <a href="#">B60L</a> {; <a href="#">B61K 7/025</a> takes precedence})   |              |   |
| 7/12        | • • electrically controlled {( <a href="#">B61K 7/025</a> 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  |              |   |
| <b>9/00</b> | <b>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</b> |              |   |
| 9/02        | • Profile gauges, e.g. loading gauges   |              |   |