

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### TRANSPORTING

#### B61 RAILWAYS

(NOTE omitted)

#### B61B RAILWAY SYSTEMS; EQUIPMENT THEREFOR NOT OTHERWISE PROVIDED FOR (lifts or hoists, elevators, escalators, moving walkways [B66B](#))

##### NOTE

In this subclass, the following terms are used with the meanings indicated:

- "rope railways" covers railways using cables or chains as traction or suspension means;
- "ropes", "cables", or "chains" are equivalent unless specifically mentioned

##### 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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|---|---|
| <p><b>1/00</b> General arrangement of stations, platforms, or sidings; Railway networks; Rail vehicle marshalling systems (shunting humps and shunting devices <a href="#">B61J</a>; construction of platforms <a href="#">E01F 1/00</a>; time-tables <a href="#">G09D</a>)</p> <p><b>1/005</b> . {Rail vehicle marshalling systems; Rail freight terminals (transferring or trans-shipping at storage areas or railway yards; marshalling yard installations <a href="#">B65G 63/00</a>)}</p> <p><b>1/02</b> . General arrangement of stations and platforms including protection devices for the passengers {(<a href="#">B61B 1/005</a> takes precedence)}</p>   | <p><b>7/045</b> . . {having in each direction more than one track serving as haulage cables}</p> <p><b>7/06</b> . with self-propelled vehicles</p> <p><b>9/00</b> Tramway or funicular systems with rigid track and cable traction (haulage clips <a href="#">B61B 12/12</a>)</p> <p><b>10/00</b> Power and free systems (ski lifts, sleigh lift or like trackless systems with guided towing cables only <a href="#">B61B 11/00</a>)</p> <p><b>10/001</b> . {Arrangements for routing vehicles}</p> <p><b>10/002</b> . . {according to destination marks}</p> <p><b>10/004</b> . . . {Mechanical destination marks}</p> <p><b>10/005</b> . . . {Magnetic, electric or electronic destination marks}</p> <p><b>10/007</b> . . . {Pneumatic destination marks}</p> <p><b>10/008</b> . . {according to destination signals stored in separate systems}</p> <p><b>10/02</b> . with suspended vehicles</p> <p><b>10/022</b> . . {Vehicles; trolleys}</p> <p><b>10/025</b> . . {Coupling and uncoupling means between power track and vehicles}</p> <p><b>10/027</b> . . {loading or unloading vehicles}</p> <p><b>10/04</b> . with vehicles rolling trackless on the ground</p> <p><b>10/043</b> . . {Fraction elements}</p> <p><b>10/046</b> . . {Impellers}</p> <p><b>11/00</b> Ski lift, sleigh lift or like trackless systems with guided towing cables only</p> <p><b>11/002</b> . {able to be dismantled or removed}</p> <p><b>11/004</b> . {Means connecting load and cable}</p> <p><b>11/006</b> . . {the load being a cycle}</p> <p><b>11/008</b> . . {the load being a sleigh}</p> <p><b>12/00</b> Component parts, details or accessories not provided for in groups <a href="#">B61B 7/00</a> - <a href="#">B61B 11/00</a> (railway brakes <a href="#">B61H</a>; turntables <a href="#">B61J 1/06</a>)</p> <p><b>12/002</b> . {Cabins; Ski-lift seats (<a href="#">B61B 12/028</a> takes precedence)}</p> |
| <p><b>Elevated railways</b></p> <p><b>3/00</b> Elevated railway systems with suspended vehicles (with suspended flexible tracks <a href="#">B61B 7/00</a>; saddle or like balanced type with monorail <a href="#">B61B 13/06</a>; with propelling cables and for transporting materials <a href="#">B65G</a>; tracks therefor <a href="#">E01B 25/00</a>)</p> <p><b>3/02</b> . with self-propelled vehicles</p> <p><b>5/00</b> Elevated railway systems without suspended vehicles (with monorail <a href="#">B61B 13/04</a>; tracks therefor <a href="#">E01B 25/00</a>)</p> <p><b>5/02</b> . with two or more rails</p> <p><b>5/025</b> . . {Sub-floor conveyor systems, e.g. where the vehicle is above the ground and where the running gear and the propulsion device are located underground or in a tube. (tunnel systems: <a href="#">B61B 13/10</a>; funicular systems <a href="#">B61B 9/00</a>)}</p> |   |
| <p><b>Rope railways</b> (shunting devices with cable traction <a href="#">B61J</a>); <b>Power and free systems</b></p> <p><b>7/00</b> Rope railway systems with suspended flexible tracks</p> <p><b>7/02</b> . with separate haulage cables</p> <p><b>7/04</b> . with suspended tracks serving as haulage cables</p>  |   |

- 12/005 . {Rescue devices for passengers (safety devices for preventing accidents to passengers when entering or leaving railway vehicles [B61K 13/04](#); emergency escape closures in vehicle bottom in general [B60J 9/02](#))}
- 12/007 . {Cable tensioning devices}
- 12/02 . Suspension of the load; Guiding means, e.g. wheels; Attaching traction cables
- 12/022 . . {Vehicle receiving and dispatching devices (acceleration or deceleration devices [B61B 12/105](#); cable grippers [B61B 12/12](#))}
- 12/024 . . . {Docking devices}
- 12/026 . . {Guiding means for deflecting the direction of the cables between the stations}
- 12/028 . . {Cabin or seat suspension means (comprising damping means: [B61B 12/04](#))}
- 12/04 . Devices for damping vibrations
- 12/06 . Safety devices or measures against cable fracture
- 12/08 . Cable lubrication
- 12/10 . Cable traction drives
- 12/105 . . {Acceleration devices or deceleration devices other than braking devices}
- 12/12 . Cable grippers; Haulage clips
- 12/122 . . {for aerial ropeways ([B61B 12/127](#) takes precedence)}
- 12/125 . . {for non aerial ropeways, e.g. on or under the ground}
- 12/127 . . {for ski lift, sleigh lift or like trackless systems}

#### **Other railway systems; Combinations of systems**

- 13/00 Other railway systems**
- 13/02 . Rack railways
- 13/04 . Monorail systems
- 13/06 . . Saddle or like balanced type
- 13/08 . Sliding or levitation systems (vehicles with air cushions between rails and vehicles [B60V 3/04](#))
- 13/10 . Tunnel systems (pneumatic tubes conveyors [B65G](#) {; [B61C 15/045](#) takes precedence})
- 13/12 . Systems with propulsion devices between or alongside the rails, e.g. pneumatic systems (cable traction [B61B 9/00](#); car shunting devices [B61J](#))
- 13/122 . . {Pneumatic systems}
- 13/125 . . {the propulsion device being a rotating shaft or the like}
- 13/127 . . {the propulsion device consisting of stationary driving wheels}
- 15/00 Combinations of railway systems**