

# 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.

**1/00** General arrangement of stations, platforms, or sidings; Railway networks; Rail vehicle marshalling systems (shunting humps and shunting devices [B61J](#); construction of platforms [E01F 1/00](#); time-tables [G09D](#))

**1/005** . {Rail vehicle marshalling systems; Rail freight terminals (transferring or trans-shipping at storage areas or railway yards; marshalling yard installations [B65G 63/00](#))}

**1/02** . General arrangement of stations and platforms including protection devices for the passengers {([B61B 1/005](#) takes precedence)}

##### Elevated railways

**3/00** Elevated railway systems with suspended vehicles (with suspended flexible tracks [B61B 7/00](#); saddle or like balanced type with monorail [B61B 13/06](#); with propelling cables and for transporting materials [B65G](#); tracks therefor [E01B 25/00](#))

**3/02** . with self-propelled vehicles

**5/00** Elevated railway systems without suspended vehicles (with monorail [B61B 13/04](#); tracks therefor [E01B 25/00](#))

**5/02** . with two or more rails

**5/025** . . {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: [B61B 13/10](#); funiculars systems [B61B 9/00](#))}

##### Rope railways (shunting devices with cable traction [B61J](#)); Power and free systems

**7/00** Rope railway systems with suspended flexible tracks

**7/02** . with separate haulage cables

**7/04** . with suspended tracks serving as haulage cables

**7/045** . . {having in each direction more than one track serving as haulage cables}

**7/06** . with self-propelled vehicles

**9/00** Tramway or funicular systems with rigid track and cable traction (haulage clips [B61B 12/12](#))

**10/00** Power and free systems (ski lifts, sleigh lift or like trackless systems with guided towing cables only [B61B 11/00](#))

**10/001** . {Arrangements for routing vehicles}

**10/002** . . {according to destination marks}

**10/004** . . . {Mechanical destination marks}

**10/005** . . . {Magnetic, electric or electronic destination marks}

**10/007** . . . {Pneumatic destination marks}

**10/008** . . {according to destination signals stored in separate systems}

**10/02** . with suspended vehicles

**10/022** . . {Vehicles; trolleys}

**10/025** . . {Coupling and uncoupling means between power track and vehicles}

**10/027** . . {loading or unloading vehicles}

**10/04** . with vehicles rolling trackless on the ground

**10/043** . . {Fraction elements}

**10/046** . . {Impellers}

**11/00** Ski lift, sleigh lift or like trackless systems with guided towing cables only

**11/002** . {able to be dismantled or removed}

**11/004** . {Means connecting load and cable}

**11/006** . . {the load being a cycle}

**11/008** . . {the load being a sleigh}

**12/00** Component parts, details or accessories not provided for in groups [B61B 7/00](#) - [B61B 11/00](#) (railway brakes [B61H](#); turntables [B61J 1/06](#))

**12/002** . {Cabins; Ski-lift seats ([B61B 12/028](#) takes precedence)}

- 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**