

# 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	<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>)</b>	7/045	. . {having in each direction more than one track serving as haulage cables}
		7/06	. with self-propelled vehicles
1/005	. {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> )}	<b>9/00</b>	<b>Tramway or funicular systems with rigid track and cable traction (haulage clips <a href="#">B61B 12/12</a>)</b>
1/02	. General arrangement of stations and platforms including protection devices for the passengers {( <a href="#">B61B 1/005</a> takes precedence)}	<b>10/00</b>	<b>Power and free systems (ski lifts, sleigh lift or like trackless systems with guided towing cables only <a href="#">B61B 11/00</a>)</b>
		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}
		<b>11/00</b>	<b>Ski lift, sleigh lift or like trackless systems with guided towing cables only</b>
		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}
		<b>12/00</b>	<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>)</b>
		12/002	. {Cabins; Ski-lift seats ( <a href="#">B61B 12/028</a> takes precedence)}
<b><u>Elevated railways</u></b>			
<b>3/00</b>	<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>)</b>		
3/02	. with self-propelled vehicles		
<b>5/00</b>	<b>Elevated railway systems without suspended vehicles (with monorail <a href="#">B61B 13/04</a>; tracks therefor <a href="#">E01B 25/00</a>)</b>		
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: <a href="#">B61B 13/10</a> ; funicular systems <a href="#">B61B 9/00</a> )}		
<b><u>Rope railways (shunting devices with cable traction <a href="#">B61J</a>); Power and free systems</u></b>			
<b>7/00</b>	<b>Rope railway systems with suspended flexible tracks</b>		
7/02	. with separate haulage cables		
7/04	. with suspended tracks serving as haulage cables		

- 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**