

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### TRANSPORTING

#### B60 VEHICLES IN GENERAL

(NOTE omitted)

#### B60M POWER SUPPLY LINES, AND DEVICES ALONG RAILS, FOR ELECTRICALLY-PROPELLED VEHICLES (control of points and safety arrangements along railway lines [B61L](#); construction of rails and points in general [E01B](#))

##### NOTE

This subclass deals with:

- overhead, overground or underground power supply lines; their crossings and points, erection and supervision;
- devices along rails and rail joints, for current conduction and for insulation;
- safety devices along the route against earth currents and inductive interference with nearby communication lines

##### 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.

<p><b>1/00</b> Power supply lines for contact with collector on vehicle (collectors therefor <a href="#">B60L 5/00</a>)</p> <p>1/02 . Details</p> <p>1/04 . . Mechanical protection of line; Protection against contact by living beings</p> <p>1/06 . . Arrangements along the power lines for reducing interference in nearby communication lines (in general <a href="#">H04B 15/02</a>)</p> <p>1/08 . . Arrangements for energising and de-energising power line sections using mechanical actuation by the passing vehicle</p> <p>1/10 . . Arrangements for energising and de-energising power line sections using magnetic actuation by the passing vehicle</p> <p>1/103 . . . {by vehicle-borne magnets}</p> <p>1/106 . . . {by track-mounted magnets}</p> <p>1/12 . Trolley lines; Accessories therefor</p> <p>1/13 . . Trolley wires</p> <p>1/135 . . . {composite}</p> <p>1/14 . . Crossings; Points</p> <p>1/16 . . Suspension insulators (in general <a href="#">H01B</a>)</p> <p>1/18 . . Section insulators; Section switches</p> <p>1/20 . . Arrangements for supporting or suspending trolley wires, e.g. from buildings</p> <p>1/22 . . . Separate lines from which power lines are suspended, e.g. catenary lines, supporting-lines under tension</p> <p>1/225 . . . Arrangements for fixing trolley wires to supporting-lines which are under tension</p> <p>1/23 . . . Arrangements for suspending trolley wires from catenary line</p> <p>1/234 . . . incorporating yielding means or damping means (supporting wires <a href="#">B60M 1/22</a>)</p> <p>1/24 . . . Clamps; Splicers; Anchor tips</p> <p>1/26 . . Compensation means for variation in length</p>	<p>1/28 . . Manufacturing or repairing trolley lines (scaffold cars <a href="#">B60P</a>; <a href="#">B61D 15/00</a>; platforms therefor <a href="#">B66F 11/04</a>; manufacturing conductors in general <a href="#">H01B 13/00</a>; overhead lines in general <a href="#">H02G 1/00</a>)</p> <p>1/30 . Power rails</p> <p>1/302 . . {composite}</p> <p>1/305 . . {Joints}</p> <p>1/307 . . {Supports}</p> <p>1/32 . . Crossings; Points (<a href="#">B60M 1/34</a> takes precedence)</p> <p>1/34 . . in slotted conduits</p> <p>1/343 . . . {Crossings; Points}</p> <p>1/346 . . . {Joints}</p> <p>1/36 . Single contact pieces along the line for power supply</p> <p><b>3/00</b> Feeding power to supply lines in contact with collector on vehicles; Arrangements for consuming regenerative power (controlling rail vehicles by varying voltage of power fed to vehicle <a href="#">B60L</a>; power distribution in general <a href="#">H02J</a>)</p> <p>3/02 . with means for maintaining voltage within a predetermined range (in general <a href="#">G05F</a>)</p> <p>3/04 . Arrangements for cutting in and out of individual track sections (by passage of the vehicle <a href="#">B60M 1/10</a>)</p> <p>3/06 . Arrangements for consuming regenerative power</p> <p><b>5/00</b> Arrangements along running rails or at joints thereof for current conduction or insulation, e.g. safety devices for reducing earth currents (insulating rail joints <a href="#">E01B 11/54</a>; conductive connections between rails in general <a href="#">H01R 3/00</a>, <a href="#">H01R 4/00</a>, <a href="#">H01R 4/70</a>)</p> <p>5/02 . Means for reducing potential difference between rail and adjacent ground</p>
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## B60M

**7/00** Power lines or rails specially adapted for electrically-propelled vehicles of special types, e.g. suspension tramway, ropeway, underground railway

7/003 . {for vehicles using stored power (e.g. charging stations)}

7/006 . {for auto-scooters or the like, the power being supplied over a broad surface}

**2200/00** Specific problems related to power supply lines not otherwise provided for

2200/02 . Prevention of theft of valuable metals