

# 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

<b>1/00</b>	<b>Power supply lines for contact with collector on vehicle</b> (collectors therefor <a href="#">B60L 5/00</a> )	1/30	• Power rails
1/02	• Details	1/302	• • {composite}
1/04	• • Mechanical protection of line; Protection against contact by living beings	1/305	• • {Joints}
1/06	• • Arrangements along the power lines for reducing interference in nearby communication lines (in general <a href="#">H04B 15/02</a> )	1/307	• • {Supports}
1/08	• • Arrangements for energising and de-energising power line sections using mechanical actuation by the passing vehicle	1/32	• • Crossings; Points ( <a href="#">B60M 1/34</a> takes precedence)
1/10	• • Arrangements for energising and de-energising power line sections using magnetic actuation by the passing vehicle	1/34	• • in slotted conduits
1/103	• • • {by vehicle-borne magnets}	1/343	• • • {Crossings; Points}
1/106	• • • {by track-mounted magnets}	1/346	• • • {Joints}
1/12	• Trolley lines; Accessories therefor	1/36	• Single contact pieces along the line for power supply
1/13	• • Trolley wires	<b>3/00</b>	<b>Feeding power to supply lines in contact with collector on vehicles; Arrangements for consuming regenerative power</b> (controlling rail vehicles by varying voltage of power fed to vehicle <a href="#">B60L</a> ; power distribution in general <a href="#">H02J</a> )
1/135	• • • {composite}	3/02	• with means for maintaining voltage within a predetermined range (in general <a href="#">G05F</a> )
1/14	• • Crossings; Points	3/04	• Arrangements for cutting in and out of individual track sections (by passage of the vehicle <a href="#">B60M 1/10</a> )
1/16	• • Suspension insulators (in general <a href="#">H01B</a> )	3/06	• Arrangements for consuming regenerative power
1/18	• • Section insulators; Section switches	<b>5/00</b>	<b>Arrangements along running rails or at joints thereof for current conduction or insulation, e.g. safety devices for reducing earth currents</b> (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> )
1/20	• • Arrangements for supporting or suspending trolley wires, e.g. from buildings	5/02	• Means for reducing potential difference between rail and adjacent ground
1/22	• • • Separate lines from which power lines are suspended, e.g. catenary lines, supporting-lines under tension	<b>7/00</b>	<b>Power lines or rails specially adapted for electrically-propelled vehicles of special types, e.g. suspension tramway, ropeway, underground railway</b>
1/225	• • • Arrangements for fixing trolley wires to supporting-lines which are under tension	7/003	• {for vehicles using stored power (e.g. charging stations)}
1/23	• • • Arrangements for suspending trolley wires from catenary line	7/006	• {for auto-scooters or the like, the power being supplied over a broad surface}
1/234	• • • incorporating yielding means or damping means (supporting wires <a href="#">B60M 1/22</a> )		
1/24	• • • Clamps; Splicers; Anchor tips		
1/26	• • Compensation means for variation in length		
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> )		

## B60M

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

2200/02 . Prevention of theft of valuable metals