

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.

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

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