

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

1/00	Power supply lines for contact with collector on vehicle (collectors therefor B60L 5/00)	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 H04B 15/02)	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 (B60M 1/34 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	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)
1/135	• • • {composite}	3/02	• with means for maintaining voltage within a predetermined range (in general G05F)
1/14	• • Crossings; Points	3/04	• Arrangements for cutting in and out of individual track sections (by passage of the vehicle B60M 1/10)
1/16	• • Suspension insulators (in general H01B)	3/06	• Arrangements for consuming regenerative power
1/18	• • Section insulators; Section switches	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)
1/20	• • 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	7/00	Power lines or rails specially adapted for electrically-propelled vehicles of special types, e.g. suspension tramway, ropeway, underground railway
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 B60M 1/22)		
1/24	• • • Clamps; Splicers; Anchor tips		
1/26	• • Compensation means for variation in length		
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)		

B60M

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

2200/02 . Prevention of theft of valuable metals