CPC COOPERATIVE PATENT CLASSIFICATION

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)

1/02 . Details

1/04 . . Mechanical protection of line; Protection against contact by living beings

1/06 . . Arrangements along the power lines for reducing interference in near-by communication lines (in general H04B 15/02)

1/08 . . Arrangements for energising and de-energising power line sections using mechanical actuation by the passing vehicle

1/10 . . Arrangements for energising and de-energising power line sections using magnetic actuation by the passing vehicle

1/103 . . . {by vehicle-borne magnets}

1/106 . . . {by track-mounted magnets}

1/12 . Trolley lines; Accessories therefor

1/13 . . Trolley wires

1/135 . . . {composite}

1/14 . . Crossings; Points

1/16 . . Suspension insulators (in general H01B)

1/18 . . Section insulators; Section switches

1/20 . . Arrangements for supporting or suspending trolley wires, e.g. from buildings

1/22 . . . Separate lines from which power lines are suspended, e.g. catenary lines, supporting-lines under tension

1/225 . . . Arrangements for fixing trolley wires to supporting-lines which are under tension

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

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)

1/30 . Power rails

1/302 . . {composite}

1/305 . . {Joints}

1/307 . . {Supports}

1/32 . . Crossings; Points (B60M 1/34 takes precedence)

1/34 . . in slotted conduits

1/343 . . . {Crossings; Points}

1/346 . . . {Joints}

1/36 . Single contact pieces along the line for power supply

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)

3/02 . with means for maintaining voltage within a predetermined range (in general G05F)

3/04 . Arrangements for cutting in and out of individual track sections (by passage of the vehicle B60M 1/10)

3/06 . Arrangements for consuming regenerative power

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)

5/02 . Means for reducing potential difference between rail and adjacent ground

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