

ECLA EUROPEAN 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)

Notes

This subclass deals with:

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

B60M1/00

Power supply lines for contact with collector on vehicle ([collectors therefor B60L5/00](#))

B60M1/02

. Details

B60M1/04

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

B60M1/06

. . Arrangements along the power lines for reducing interference in near-by communication lines ([in general H04B15/02](#))

B60M1/08

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

B60M1/10

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

B60M1/10B

. . . [N: by vehicle-borne magnets]

B60M1/10C

. . . [N: by track-mounted magnets]

B60M1/12

. Trolley lines; Accessories therefor

B60M1/13

. . Trolley wires

B60M1/13B

. . . [N: composite]

B60M1/14

. . Crossings; Points

B60M1/16

. . Suspension insulators ([in general H01B](#))

B60M1/18

. . Section insulators; Section switches

B60M1/20

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

B60M1/22

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

B60M1/225

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

B60M1/23

. . . Arrangements for suspending trolley wires from catenary line

B60M1/234

. . . incorporating yielding means or damping means ([supporting wires B60M1/22](#))

B60M1/24

. . . Clamps; Splicers; Anchor tips

B60M1/26

. . Compensation means for variation in length

- B60M1/28 . . Manufacturing or repairing trolley lines (scaffold cars [B60P](#); [B61D15/00](#); platforms therefor [B66F11/04](#); manufacturing conductors in general [H01B13/00](#); overhead lines in general [H02G1/00](#))
- B60M1/30 . Power rails
- B60M1/30B . . [N: composite]
- B60M1/30C . . [N: Joints]
- B60M1/30D . . [N: Supports]
- B60M1/32 . . Crossings; Points ([B60M1/34](#) takes precedence)
- B60M1/34 . . in slotted conduits
- B60M1/34B . . . [N: Crossings; Points]
- B60M1/34C . . . [N: Joints]
- B60M1/36 . Single contact pieces along the line for power supply
- B60M3/00** **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](#))
- B60M3/02 . with means for maintaining voltage within a predetermined range (in general [G05F](#))
- B60M3/04 . Arrangements for cutting in and out of individual track sections (by passage of the vehicle [B60M1/10](#))
- B60M3/06 . Arrangements for consuming regenerative power
- B60M5/00** **Arrangements along running rails or at joints thereof for current conduction or insulation, e.g. safety devices for reducing earth currents** (insulating rail joints [E01B11/54](#); conductive connections between rails in general [H01R3/00](#), [H01R4/00](#), [H01R4/70](#))
- B60M5/02 . Means for reducing potential difference between rail and adjacent ground
- B60M7/00** **Power lines or rails specially adapted for electrically-propelled vehicles of special types, e.g. suspension tramway, ropeway, underground railway**
- B60M7/00B . [N: for vehicles using stored power (e.g. charging stations)]
- B60M7/00C . [N: for auto-scooters or the like, the power being supplied over a broad surface]