

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

B60M 1/00

Power supply lines for contact with collector on vehicle ([collectors therefor B60L 5/00](#))

B60M 1/02

. Details

B60M 1/04

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

B60M 1/06

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

B60M 1/08

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

B60M 1/10

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

B60M 1/103

... {by vehicle-borne magnets}

B60M 1/106

... {by track-mounted magnets}

B60M 1/12

. Trolley lines; Accessories therefor

B60M 1/13

.. Trolley wires

B60M 1/135

... {composite}

B60M 1/14

.. Crossings; Points

B60M 1/16

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

B60M 1/18

.. Section insulators; Section switches

B60M 1/20

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

B60M 1/22

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

B60M 1/225

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

B60M 1/23

... Arrangements for suspending trolley wires from catenary line

B60M 1/234

... incorporating yielding means or damping means ([supporting wires B60M 1/22](#))

B60M 1/24

... Clamps; Splicers; Anchor tips

B60M 1/26	..	Compensation means for variation in length
B60M 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 1/30	.	Power rails
B60M 1/302	..	{ composite }
B60M 1/305	..	{ Joints }
B60M 1/307	..	{ Supports }
B60M 1/32	..	Crossings; Points (B60M 1/34 takes precedence)
B60M 1/34	..	in slotted conduits
B60M 1/343	...	{ Crossings; Points }
B60M 1/346	...	{ Joints }
B60M 1/36	.	Single contact pieces along the line for power supply
B60M 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)
B60M 3/02	.	with means for maintaining voltage within a predetermined range (in general G05F)
B60M 3/04	.	Arrangements for cutting in and out of individual track sections (by passage of the vehicle B60M 1/10)
B60M 3/06	.	Arrangements for consuming regenerative power
B60M 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)
B60M 5/02	.	Means for reducing potential difference between rail and adjacent ground
B60M 7/00		Power lines or rails specially adapted for electrically-propelled vehicles of special types, e.g. suspension tramway, ropeway, underground railway
B60M 7/003	.	{ for vehicles using stored power (e.g. charging stations) }
B60M 7/006	.	{ for auto-scooters or the like, the power being supplied over a broad surface }
B60M 2200/00		Specific problems related to power supply lines not otherwise provided for
B60M 2200/02	.	Prevention of theft of valuable metals