B60M  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 5/000)

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)
1/08  .  .  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 11/00; 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