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)

Definition statement
This place covers:
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

References
Limiting references
This place does not cover:
Control of points and safety arrangements along railway lines B61L

Informative references
Attention is drawn to the following places, which may be of interest for search:

Construction of rails and points in general E01B

B60M 1/00
Power supply lines for contact with collector on vehicle (collectors therefor B60L 5/00)

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

Collectors therefor B60L 5/00

B60M 1/06
Arrangements along the power lines for reducing interference in nearby communication lines (in general H04B 15/02)

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

Reducing interference in general H04B 15/02
B60M 1/16
Suspension insulators (in general H01B)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Suspension insulators for overhead transmission lines | H01B 17/02 |
| Apparatus or processes especially adapted for manufacturing insulators | H01B 19/00 |

B60M 1/234
incorporating yielding means or damping means (supporting wires B60M 1/22)

References

Limiting references

This place does not cover:

| Damping means in supporting wires | B60M 1/22 |

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)

Definition statement

This place covers:

Machines and methods for installing, maintaining, repairing and monitoring overhead electrical power supply lines

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Scaffold cars in general | B60P |
| Scaffold cars for railways | B61D 15/00 |
| Working platforms | B66F 11/04 |
| Conductors or conductive bodies characterised by their material | H01B 1/00 |
| Conductors characterised by their form, e.g. power transmission lines | H01B 5/00 |
| Apparatus or processes for adapting conductors | H01B 13/00 |
| Installing, maintaining or repairing of overhead power transmission lines in general | H02G 1/02 |
**B60M 1/32**

Crossings; Points ([B60M 1/34](#) takes precedence)

References

*Limiting references*

*This place does not cover:*

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**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](#))

References

*Limiting references*

*This place does not cover:*

| Controlling rail vehicles by varying voltage of power fed to vehicle | B60L 9/00, B60L 15/00 |

*Informative references*

*Attention is drawn to the following places, which may be of interest for search:*

| Power distribution in general | H02J |

**B60M 3/02**

with means for maintaining voltage within a predetermined range (in general [G05F](#))

References

*Informative references*

*Attention is drawn to the following places, which may be of interest for search:*

| Maintaining voltage in general | G05F |

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*Note: [H02J](#) and [G05F](#) are CPC sub-sections that cover technical aspects of power distribution and voltage control, respectively.*
B60M 3/04
Arrangements for cutting in and out of individual track sections (by passage of the vehicle B60M 1/10)

References
Limiting references
This place does not cover:

Cutting in and out of individual sections by passage of the vehicle  B60M 1/10

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)

References
Limiting references
This place does not cover:

Insulating rail joints  E01B 11/54

Informative references
Attention is drawn to the following places, which may be of interest for search:

Conductive connections between rails in general  H01R

B60M 7/003
{for vehicles using stored power (e.g. charging stations)}

Definition statement
This place covers:
Power supply for charging stations

References
Limiting references
This place does not cover:

Charging stations per se where vehicle is not moving  B60L 53/00