

B61H

BRAKES OR OTHER RETARDING DEVICES SPECIALLY ADAPTED FOR RAIL VEHICLES; ARRANGEMENT OR DISPOSITION THEREOF IN RAIL VEHICLES (arrangements in rail vehicles for adjusting wheel-braking force to meet varying vehicular or permanent-way conditions [B60T 8/00](#); transmitting braking action from initiating means to ultimate brake actuator with power assistance or drive, brake systems incorporating such transmitting means, e.g. air-pressure brake systems, [B60T 13/00](#); construction, arrangement or operation of valves incorporated in power brake systems [B60T 15/00](#); component parts, details or accessories of brake systems [B60T 17/00](#))

Definition statement

This place covers:

- Application or arrangements of brakes special adapted to rail vehicles;
- Brakes with braking members acting on a track, e.g. scotch-blocks, skids, track-engaging shoes;
- Actuating means for rail-vehicle brakes;
- Transmitting means for actuating rail-vehicle brakes;
- Wear compensating mechanisms for rail-vehicle brakes, e.g. slack adjusters.

References

Limiting references

This place does not cover:

Arrangements in rail vehicles for adjusting wheel-braking force to meet varying vehicular or permanent-way conditions	B60T 8/00
Transmitting braking action from initiating means to ultimate brake actuator with power assistance or drive; Brake systems incorporating such transmitting means, e.g. air-pressure brake systems	B60T 13/00
Construction, arrangement or operation of valves incorporated in power brake systems	B60T 15/00
Component parts, details or accessories of brake systems	B60T 17/00

Informative references

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

Electrodynamic braking of vehicles	B60L
Brakes in general	F16D
Dynamo-electric brakes	H02K 49/00

B61H 1/00

Applications or arrangements of brakes with a braking member or members co-operating with the periphery of the wheel rim, a drum or the like

Definition statement

This place covers:

Braking member or members co-operating with the periphery of a wheel rim.

Braking member or members co-operating with the periphery of a drum, wherein the drum can provide a non-tread outside cylindrical surface that brake member(s) engage from the outside.

Braking member or members co-operating with the periphery of a drum arranged axially outside of the track width.

Braking member or members co-operating with the periphery of a drum or a plurality of drums arranged axially between the traction wheels.

References

Informative references

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

Self-applying brakes	B61H 11/02
Combinations of different types of brakes	B61H 11/14
Wheels	B60B

B61H 3/00

Applications or arrangements of brakes with an outwardly-movable braking member or members co-operating with the inner surface of a drum or the like

Definition statement

This place covers:

Brake members are moved outwardly against the inner surface of a drum or the like.

Brake members are moved outwardly against the inner surface of an inwardly directed friction surface on the wheel in the shape of a drum or the like.

References

Informative references

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

Self-applying brakes	B61H 11/02
Combinations of different types of brakes	B61H 11/14

B61H 5/00

Applications or arrangements of brakes with substantially radial braking surfaces pressed together in axial direction, e.g. disc brakes

Definition statement

This place covers:

Brake members are moved substantially axially against the surface of a brake disk or the like on the axle.

Brake members are moved substantially axially against one or more non tread surfaces of one or more traction wheels.

References

Informative references

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

Self-applying brakes	B61H 11/02
Combinations of different types of brakes	B61H 11/14
Discs adapted for mounting on the wheel of a railway vehicle	F16D 65/124

Special rules of classification

Classification in both [B61H](#) and [F16D](#) should be given when the brake is specially adapted for rail vehicles.

B61H 7/00

Brakes with braking members co-operating with the track (positive railway stops or track brakes secured to permanent way [B61K 7/00](#))

Definition statement

This place covers:

Brakes applied to one or more tracks on which the train runs.

Brakes applied to at least one rail exclusively arranged for braking purposes.

References

Limiting references

This place does not cover:

Positive railway stops or track brakes secured to permanent way	B61K 7/00
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B61H 11/00

Applications or arrangements of braking or retarding apparatus not otherwise provided for; Combinations of apparatus of different kinds or types

Definition statement

This place covers:

Brakes peculiarly adapted to vehicles running on rails.

Combination of brakes peculiarly adapted to vehicles running on rails and brakes not peculiarly adapted to vehicles running on rails.

B61H 13/00

Actuating rail-vehicle brakes

Definition statement

This place covers:

Systems or arrangements for actuating rail-vehicle brakes upon will of an operator.

Systems or arrangements for actuating rail-vehicle brakes independently of the will of an operator, e.g. in reaction to forces exerted to buffers or coupling gear.

References

Informative references

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

Actuators directly acting on a brake head	B61H 1/003
Self-applying brakes	B61H 11/02
Wear-compensating mechanisms	B61H 15/00

B61H 15/00

Wear-compensating mechanisms, e.g. slack adjusters

Definition statement

This place covers:

Devices to compensate for the wear of brake member(s) and/or friction surfaces.

Devices to compensate for the stretch of brake rigging.