

B61H

BRAKES OR OTHER RETARDING APPARATUS PECULIAR TO RAIL VEHICLES; ARRANGEMENTS OR DISPOSITIONS OF BRAKES OR OTHER RETARDING APPARATUS IN RAIL VEHICLES (electrodynamic braking of vehicles B60L, in general H02K; arrangements in rail vehicles for adjusting wheel-braking force to meet varying vehicular or permanent-way conditions B60T8/00; 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, B60T13/00 to B60T17/00 ; brakes per se F16D)

Definition statement

This subclass/group 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 actating rail-vehicle brakes
- Wear compensating mechanisms, e.g. slack adjusters

References relevant to classification in this subclass

This subclass/group 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 B60T 17/00

Informative references

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

Electrodynamic braking of vehicles	B60L
Electrodynamic braking in general	H02K
Brakes per se	F16D

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 (self-applying brakes B61H11/02; combinations of different types of brakes B61H11/14 ; wheels B60B)

Definition statement

This subclass/group 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.

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 (self-applying brakes B61H11/02; combinations of different types of brakes B61H11/14)

Definition statement

This subclass/group 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 .

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 (self-applying brakes B61H11/02; combinations of different types of brakes B61H11/14; [N: discs adapted for mounting on the wheel of a railway vehicle F16D65/124])

Definition statement

This subclass/group 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.

Informative references

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

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

B61H 7/00

Brakes with braking members co-operating with the track (positive railway stops or track brakes secured to permanent way B61K7/00)

Definition statement

This subclass/group 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 relevant to classification in this group

This subclass/group does not cover:

Positive railway stops or track brakes secured to permanent way	B61K 7/00
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B61H 9/00

Brakes characterised by or modified for their application to special railway systems or purposes

B61H 11/00

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

Definition statement

This subclass/group 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 ([N: actuators directly acting on a brake head B61H1/003;] self-applying brakes B61H11/02; wear-compensating mechanisms B61H15/00)

Definition statement

This subclass/group 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.

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 subclass/group covers:

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

Devices to compensate for the stretch of brake rigging.