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 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; brakes per se F16D)

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:

<table>
<thead>
<tr>
<th>Arrangements in rail vehicles for adjusting wheel-braking force to meet varying vehicular or permanent-way conditions</th>
<th>B60T 8/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
<td>B60T 13/00, B60T 17/00</td>
</tr>
</tbody>
</table>

Informative references

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

<table>
<thead>
<tr>
<th>Electrodynamic braking of vehicles</th>
<th>B60L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brakes per se</td>
<td>F16D</td>
</tr>
<tr>
<td>Electrodynamic braking in general</td>
<td>H02K</td>
</tr>
</tbody>
</table>

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 B61H 11/02; combinations of different types of brakes B61H 11/14; wheels B60B)

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:

<table>
<thead>
<tr>
<th>Self-applying brakes</th>
<th>B61H 11/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combinations of different types of brakes</td>
<td>B61H 11/14</td>
</tr>
<tr>
<td>Wheels</td>
<td>B60B</td>
</tr>
</tbody>
</table>

**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 B61H 11/02; combinations of different types of brakes B61H 11/14)

**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:

<table>
<thead>
<tr>
<th>Self-applying brakes</th>
<th>B61H 11/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combinations of different types of brakes</td>
<td>B61H 11/14</td>
</tr>
</tbody>
</table>

**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 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))

**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:

<table>
<thead>
<tr>
<th>Self-applying brakes</th>
<th>B61H 11/02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combinations of different types of brakes</td>
<td>B61H 11/14</td>
</tr>
<tr>
<td>Discs adapted for mounting on the wheel of a railway vehicle</td>
<td>F16D 65/124</td>
</tr>
</tbody>
</table>

Special rules of classification

Classification in both B62H 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 |

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 (actuators directly acting on a brake head **B61H 1/003**; self-applying brakes **B61H 11/02**; wear-compensating mechanisms **B61H 15/00**)

**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:

<table>
<thead>
<tr>
<th>Devices</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuators directly acting on a brake head</td>
<td><strong>B61H 1/003</strong></td>
</tr>
<tr>
<td>Self-applying brakes</td>
<td><strong>B61H 11/02</strong></td>
</tr>
<tr>
<td>Wear-compensating mechanisms</td>
<td><strong>B61H 15/00</strong></td>
</tr>
</tbody>
</table>

**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.