

## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

### B61 RAILWAYS

**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; 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; brakes in general F16D)

#### Subclass index

BRAKES ACTING ON TRACK; BRAKES FOR SPECIAL PURPOSES.....7/00, 9/00  
 ARRANGEMENTS OF BRAKES  
   Acting on wheels.....1/00, 3/00, 5/00  
   Other arrangements, combinations.....11/00  
 ACTUATION.....13/00  
 COMPENSATING FOR WEAR.....15/00

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| <p><b>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</b> (self-applying brakes B61H 11/02; combinations of different types of brakes B61H 11/14; wheels B60B) <b>[1, 2006.01]</b></p> <p><b>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</b> (self-applying brakes B61H 11/02; combinations of different types of brakes B61H 11/14) <b>[1, 2006.01]</b></p> <p><b>5/00 Applications or arrangements of brakes with substantially-radial braking surfaces pressed together in axial direction, e.g. disc brakes</b> (self-applying brakes B61H 11/02; combinations of different types of brakes B61H 11/14) <b>[1, 2006.01]</b></p> <p><b>7/00 Brakes with braking members co-operating with the track</b> (positive railway stops or track brakes secured to permanent way B61K 7/00) <b>[1, 2006.01]</b></p> <p>7/02   • Scotch-blocks, skids, or like track-engaging shoes <b>[1, 2006.01]</b></p> <p>7/04   •   • attached to railway vehicles <b>[1, 2006.01]</b></p> <p>7/06   •   •   • Skids <b>[1, 2006.01]</b></p> <p>7/08   •   •   •   • electromagnetically operated <b>[1, 2006.01]</b></p> <p>7/10   •   • unattached <b>[1, 2006.01]</b></p> <p>7/12   • Grippers co-operating frictionally with tracks <b>[1, 2006.01]</b></p> <p><b>9/00 Brakes characterised by, or modified for, their application to special railway systems or purposes</b> <b>[1, 2006.01]</b></p> <p>9/02   • for aerial, e.g. rope, railways <b>[1, 2006.01]</b></p> <p>9/04   • for preventing or controlling movement in one direction or, selectively, in either direction <b>[1, 2006.01]</b></p> <p>9/06   • for storing energy during braking action <b>[1, 2006.01]</b></p> | <p><b>11/00 Applications or arrangements of braking or retarding apparatus not otherwise provided for; Combinations of apparatus of different kinds or types</b> <b>[1, 2006.01]</b></p> <p>11/02   • of self-applying brakes <b>[1, 2006.01]</b></p> <p>11/04   •   • with brake-applying force derived from rotation of axle <b>[1, 2006.01]</b></p> <p>11/06   • of hydrostatic, hydrodynamic, or aerodynamic brakes <b>[1, 2006.01]</b></p> <p>11/08   •   • comprising a pump or the like circulating fluid, braking being effected by throttling of the circulation <b>[1, 2006.01]</b></p> <p>11/10   •   • Aerodynamic brakes with control flaps, e.g. spoilers, attached to the vehicles <b>[1, 2006.01]</b></p> <p>11/14   • Combinations of different types of brakes, e.g. brake blocks acting on wheel-rim combined with disc brakes <b>[1, 2006.01]</b></p> <p>11/16   • Removable self-contained brake units <b>[1, 2006.01]</b></p> <p><b>13/00 Actuating rail-vehicle brakes</b> (self-applying brakes B61H 11/02; wear-compensating mechanisms B61H 15/00) <b>[1, 2006.01]</b></p> <p>13/02   • Hand or other personal actuation <b>[1, 2006.01]</b></p> <p>13/04   •   • by mechanisms incorporating toothed gearing <b>[1, 2006.01]</b></p> <p>13/06   • Actuating or influencing the brakes by backward-pressure of buffers or coupling gear, e.g. buffer brakes <b>[1, 2006.01]</b></p> <p>13/20   • Transmitting mechanisms (wear-compensating mechanisms B61H 15/00) <b>[1, 2006.01]</b></p> <p>13/22   •   • for braking a single wheel or wheels at one side only, e.g. for locomotives or motor railcars <b>[1, 2006.01]</b></p> <p>13/24   •   • for cars with two axles or bogies with two axles and braking cylinder(s) for each bogie, the mechanisms at each side being interconnected <b>[1, 2006.01]</b></p> |
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## **B61H**

- 13/26 • • for cars or bogies with more than two axles or bogies, the mechanisms at each side being interconnected **[1, 2006.01]**
- 13/28 • • with variable leverage or mechanical advantage to obtain quick take-up **[1, 2006.01]**
- 13/30 • • adjustable to take account of variation of vehicle weight (arrangements for adjusting wheel-braking force in response to vehicle weight or load B60T 8/18) **[1, 2006.01]**
- 13/32 • • • by varying brake lever leverage **[1, 2006.01]**
- 13/34 • Details **[1, 2006.01]**
- 13/36 • • Beams; Suspension thereof **[1, 2006.01]**
- 13/38 • • Suspension of transmitting mechanisms (B61H 13/36 takes precedence) **[1, 2006.01]**
- 15/00 Wear-compensating mechanisms, e.g. slack adjusters [1, 2006.01]**