

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### TRANSPORTING

#### B61 RAILWAYS

(NOTE omitted)

#### 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](#))

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	11/005	. {in combination with rail sanding, door opening or the like}
1/003	. {with an actuator directly acting on a brake head}	11/02	. of self-applying brakes
1/006	. {Band brakes}	11/04	. . with brake-applying force derived from rotation of axle
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	11/06	. of hydrostatic, hydrodynamic, or aerodynamic brakes
5/00	Applications or arrangements of brakes with substantially radial braking surfaces pressed together in axial direction, e.g. disc brakes	11/08	. . comprising a pump or the like circulating fluid, braking being effected by throttling of the circulation
7/00	Brakes with braking members co-operating with the track (positive railway stops or track brakes secured to permanent way <a href="#">B61K 7/00</a> )	11/10	. . Aerodynamic brakes with control flaps, e.g. spoilers, attached to the vehicles
7/02	. Scotch-blocks, skids, or like track-engaging shoes	11/14	. Combinations of different types of brakes, e.g. brake blocks acting on wheel-rim combined with disc brakes
7/04	. . attached to railway vehicles	11/16	. Removable self-contained brake units
7/06	. . . Skids	13/00	<b>Actuating rail-vehicle brakes</b>
7/08	. . . . electromagnetically operated	13/005	. {Spring actuation}
7/083	. . . . . {working with eddy currents}	13/02	. Hand or other personal actuation
7/086	. . . . . {Suspensions therefor}	13/04	. . by mechanisms incorporating toothed gearing
7/10	. . unattached	13/06	. Actuating or influencing the brakes by backward pressure of buffers or coupling gear, e.g. buffer brakes
7/12	. Grippers co-operating frictionally with tracks	13/20	. Transmitting mechanisms
9/00	Brakes characterised by, or modified for, their application to special railway systems or purposes	13/22	. . for braking a single wheel or wheels at one side only, e.g. for locomotives or motor railcars
9/003	. {for shunting operation or for narrow gauge trains}	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
9/006	. {Brakes for locomotives}	13/26	. . for cars or bogies with more than two axles or bogies, the mechanisms at each side being interconnected
9/02	. for aerial, e.g. rope, railways	13/28	. . with variable leverage or mechanical advantage to obtain quick take-up
9/04	. for preventing or controlling movement in one direction or, selectively, in either direction	13/30	. . adjustable to take account of variation of vehicle weight (arrangements for adjusting wheel-braking force in response to vehicle weight or load <a href="#">B60T 8/18</a> )
9/06	. for storing energy during braking action	13/32	. . . by varying brake lever leverage
11/00	Applications or arrangements of braking or retarding apparatus not otherwise provided for; Combinations of apparatus of different kinds or types		

## B61H

- 13/34 . Details
- 13/36 . . Beams; Suspension thereof
- 13/38 . . Suspension of transmitting mechanisms
- 15/00** **Wear-compensating mechanisms, e.g. slack adjusters**
- 15/0007 . {mechanical and self-acting in one direction}
- 15/0014 . . {by means of linear adjustment}
- 15/0021 . . . {with cams, by friction or clamping}
- 15/0028 . . . {with screw-thread and nut}
- 15/0035 . {mechanical and self-acting in both directions}
- 15/0042 . . {by means of linear adjustment}
- 15/005 . . . {with cams, by friction or clamping}
- 15/0057 . . . {with screw-thread and nut}
- 15/0064 . {mechanical and non-automatic}
- 15/0071 . . {by means of linear adjustment}
- 15/0078 . . . {with cams, by friction or clamping}
- 15/0085 . . . {with screw-thread and nut}
- 15/0092 . {hydraulic}