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

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)

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)

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)

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

7/02 • Scotch-blocks, skids, or like track-engaging shoes
7/04 • • attached to railway vehicles
7/06 • • • Skids
7/08 • • • • electromagnetically operated
7/10 • • unattached
7/12 • Grippers co-operating frictionally with tracks

9/00 Brakes characterised by, or modified for, their application to special railway systems or purposes

9/02 • for aerial, e.g. rope, railways
9/04 • for preventing or controlling movement in one direction or, selectively, in either direction
9/06 • for storing energy during braking action

11/00 Applications or arrangements of braking or retarding apparatus not otherwise provided for; Combinations of apparatus of different kinds or types

11/02 • of self-applying brakes
11/04 • • with brake-applying force derived from rotation of axle
11/06 • of hydrostatic, hydrodynamic, or aerodynamic brakes
11/08 • • comprising a pump or the like circulating fluid, braking being effected by throttling of the circulation
11/10 • • Aerodynamic brakes with control flaps, e.g. spoilers, attached to the vehicles
11/14 • Combinations of different types of brakes, e.g. brake blocks acting on wheel-rim combined with disc brakes
11/16 • Removable self-contained brake units

13/00 Actuating rail-vehicle brakes (self-applying brakes B61H 11/02; wear-compensating mechanisms B61H 15/00)

13/02 • Hand or other personal actuation
13/04 • • by mechanisms incorporating toothed gearing
13/06 • Actuating or influencing the brakes by backward-pressure of buffers or coupling gear, e.g. buffer brakes
13/20 • Transmitting mechanisms (wear-compensating mechanisms B61H 15/00)
13/22 • • for braking a single wheel or wheels at one side only, e.g. for locomotives or motor railcars
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
13/26 • • for cars or bogies with more than two axles or bogies, the mechanisms at each side being interconnected
13/28 • • with variable leverage or mechanical advantage to obtain quick take-up

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)

13/32 • • • by varying brake lever leverage

13/34 • Details

13/36 • • Beams; Suspension thereof

13/38 • • Suspension of transmitting mechanisms (B61H 13/36 takes precedence)

15/00 Wear-compensating mechanisms, e.g. slack adjusters