

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

TRANSPORTING

B60 VEHICLES IN GENERAL

(NOTE omitted)

B60D VEHICLE CONNECTIONS (components of brake systems [B60T 17/04](#))

NOTE

Attention is drawn to the note following the class [B60](#)

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Traction couplings; Hitches; Draw-gear; Towing devices (devices specially adapted for connection between tractors and agricultural machines or implements A01B 59/00 ; fifth-wheel couplings B62D)	1/1675	. . . {comprising extendable, retractable or foldable members}
2001/001	. {specially adapted for use on vehicles other than cars}	1/173	. . consisting of at least two bars which are not connected or articulated to each other
2001/003	. . {for bicycles or motorbikes}	1/18	. . Tow ropes, chains or the like
2001/005	. . {for carts, scooters, or the like}	1/182	. . . {comprising resilient members}
2001/006	. . . {comprising a handle}	1/185	. . . {comprising a cable or chain winding device (B60D 1/38 takes precedence)}
2001/008	. . {specially adapted for implements, e.g. towed tools}	1/187	. . . {characterised by the connection to the towing vehicle or to the trailer}
1/01	. Traction couplings or hitches characterised by their type	1/24	. characterised by arrangements for particular functions
1/015	. . {Fifth wheel couplings}	1/241	. . {for suppressing noise generation}
1/02	. . Bolt or shackle-type couplings	1/242	. . {for supporting braking actions, e.g. braking means integrated with hitches; Braking sensors}
1/025	. . . {comprising release or locking lever pins}	1/243	. . {for protection in case of crash, collision, impact, or the like}
1/04	. . Hook or hook-and-hasps couplings	1/244	. . . {involving weakened zones in the hitches}
1/06	. . Ball-and-socket hitches {, e.g. constructional details, auxiliary devices, their arrangement on the vehicle}	1/245	. . {for facilitating push back or parking of trailers}
1/065	. . . {characterised by the hitch mechanism}	1/246	. . {for actuating the hitch by powered means}
1/07	. . Multi-hitch devices, i.e. comprising several hitches of the same or of a different type; Hitch-adaptors, i.e. for converting hitches from one type to another	1/247	. . {for improving weight distribution}
1/075	. . . {Hitch-adaptors}	1/248	. . {for measuring, indicating or displaying the weight}
1/14	. Draw-gear or towing devices characterised by their type	1/249	. . {for damping in the pulling direction and being integrated with the hitch, e.g. resilient dampers integrated with the hitch}
1/141	. . {Arrangements or frames adapted to allow the connection of trailers to tractor three point hitches (coupling of multipurpose tractors with equipment B62D 49/065)}	1/26	. . for remote control, e.g. for releasing
1/143	. . {characterised by the mounting of the draw-gear on the towed vehicle (B60D 1/187 takes precedence)}	1/28	. . for preventing unwanted disengagement, e.g. safety appliances
1/145	. . consisting of an elongated single bar or tube	1/30	. . for sway control {, e.g. stabilising or anti-fishtail devices; Sway alarm means}
1/155	. . . comprising telescopic or foldable parts	1/305	. . . {Sway alarm means}
1/167	. . consisting of articulated or rigidly assembled bars or tubes forming a V-, Y-, or U-shaped draw gear (B60D 1/173 takes precedence)	1/32	. . . involving damping devices
		1/322 {using fluid dampers (fluid dampers per se F16F 9/00)}
		1/325 {using friction dampers (friction dampers per se F16F 7/02 - F16F 7/08)}
		1/327 {using cables}
		1/34	. . . involving springs

B60D

- 1/345 {the springs being of the bar or leaf type (torsion bars [per se F16F 1/14](#), leaf springs [per se F16F 1/18](#))}
- 1/36 . . for facilitating connection, e.g. hitch catchers {, visual guide means, signalling aids ([B60D 1/465](#) takes precedence; vehicle signalling in general [B60Q](#); optical arrangements specially adapted for viewing trailer-hitches [B60R 1/003](#))}
- 1/363 . . . {Hitch guiding or catching elements, e.g. V-shaped plates partially surrounding a coupling member for guiding the other coupling member}
- 1/366 {comprising braking means}
- 1/38 . . . involving auxiliary cables for drawing the trailer to the tractor before coupling
- 1/40 . . . involving a temporarily extensible or alignable member ([B60D 1/38](#) takes precedence)
- 1/42 . . for being adjustable
- 1/44 . . . horizontally
- 1/46 . . . vertically
- 1/465 {comprising a lifting mechanism, e.g. for coupling while lifting}
- 1/48 . characterised by the mounting
- 1/481 . . {adapted for being mounted to the front and back of trailers, carts, trolleys, or the like to form a train}
- 1/483 . . {adapted for being mounted to the side of a vehicle}
- 1/485 . . {mounted by means of transversal members attached to the frame of a vehicle}
- 1/486 . . {adapted for being mounted to the wheel axle of the vehicle}
- 1/488 . . {mounted directly to the chassis of the towing vehicle}
- 1/50 . . resiliently mounted ([B60D 1/30](#) takes precedence {;[B60D 1/182](#) takes precedence; springs or dampers [per se F16F](#)})
- 1/52 . . removably mounted ([B60D 1/56](#) takes precedence)
- 1/54 . . collapsible or retractable when not in use, e.g. hide-away hitches ([B60D 1/52](#) takes precedence)
- 2001/542 {characterised by the number of pivot axis}
- 2001/544 {one pivot axis}
- 2001/546 {two pivot axes}
- 2001/548 {three pivot axes}
- 1/56 . . securing to the vehicle bumper
- 1/565 . . . {having an eyelet}
- 1/58 . Auxiliary devices
- 1/583 . . {Holding down means, e.g. holding down retainers}
- 1/586 . . {Lubrication means}
- 1/60 . . Covers, caps or guards {, e.g. comprising anti-theft devices}
- 1/605 . . . {Protection caps}
- 1/62 . . involving supply lines, electric circuits, or the like
- 1/64 . . . Couplings or joints therefor
- 1/66 . . Props
- 1/665 . . . {comprising supporting wheels, e.g. dollies}
- 3/00** **Fittings to facilitate pushing** ([B60D 1/00](#) takes precedence; vehicle bumpers [B60R 19/02](#); steering arrangements for backing a normally-drawn trailer [B62D 13/06](#))
- 5/00** **Gangways for coupled vehicles, e.g. of concertina type**
- 5/003 . {Bellows for interconnecting vehicle parts}
- 5/006 . {Passages between articulated vehicles, e.g. bridges or rotating plates}
- 99/00** **Subject matter not provided for in other groups of this subclass**