

CPC**COOPERATIVE PATENT CLASSIFICATION****B60D****VEHICLE CONNECTIONS** (components of brake systems [B60T 17/04](#))**NOTE**

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

B60D 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](#))

- [B60D 2001/001](#) . {specially adapted for use on vehicles other than cars}
- [B60D 2001/003](#) . . {for bicycles or motorbikes}
- [B60D 2001/005](#) . . {for carts, scooters, or the like}
- [B60D 2001/006](#) . . . {comprising a handle}
- [B60D 2001/008](#) . . {specially adapted for implements, e.g. towed tools}
- [B60D 1/01](#) . Traction couplings or hitches characterised by their type
- [B60D 1/015](#) . . {Fifth wheel couplings}
- [B60D 1/02](#) . . Bolt or shackle-type couplings
- [B60D 1/025](#) . . . {comprising release or locking lever pins}
- [B60D 1/04](#) . . Hook or hook-and-hasps couplings
- [B60D 1/06](#) . . Ball-and-socket hitches {e.g. constructional details, auxiliary devices, their arrangement on the vehicle}
- [B60D 1/065](#) . . . {characterised by the hitch mechanism}
- [B60D 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
- [B60D 1/075](#) . . . {Hitch-adaptors}
- [B60D 1/14](#) . Draw-gear or towing devices characterised by their type
- [B60D 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](#))}
- [B60D 1/143](#) . . {characterised by the mounting of the draw-gear on the towed vehicle ([B60D 1/187](#) takes precedence)}
- [B60D 1/145](#) . . consisting of an elongated single bar or tube
- [B60D 1/155](#) . . . comprising telescopic or foldable parts
- [B60D 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)
- [B60D 1/1675](#) . . . {comprising extendable, retractable or foldable members}
- [B60D 1/173](#) . . consisting of at least two bars which are not connected or articulated to each other
- [B60D 1/18](#) . . Tow ropes, chains or the like
- [B60D 1/182](#) . . . {comprising resilient members}
- [B60D 1/185](#) . . . {comprising a cable or chain winding device ([B60D 1/38](#) takes precedence)}
- [B60D 1/187](#) . . . {characterised by the connection to the towing vehicle or to the trailer}
- [B60D 1/24](#) . characterised by arrangements for particular functions

- B60D 1/241 . . {for suppressing noise generation}
- B60D 1/242 . . {for supporting braking actions, e.g. braking means integrated with hitches; Braking sensors}
- B60D 1/243 . . {for protection in case of crash, collision, impact, or the like}
- B60D 1/244 . . . {involving weakened zones in the hitches}
- B60D 1/245 . . {for facilitating push back or parking of trailers}
- B60D 1/246 . . {for actuating the hitch by powered means}
- B60D 1/247 . . {for improving weight distribution}
- B60D 1/248 . . {for measuring, indicating or displaying the weight}
- B60D 1/249 . . {for damping in the pulling direction and being integrated with the hitch, e.g. resilient dampers integrated with the hitch}
- B60D 1/26 . . for remote control, e.g. for releasing
- B60D 1/28 . . for preventing unwanted disengagement, e.g. safety appliances
- B60D 1/30 . . for sway control, {e.g. stabilising or anti-fishtail devices; Sway alarm means}
- B60D 1/305 . . . {Sway alarm means}
- B60D 1/32 . . . involving damping devices
- B60D 1/322 {using fluid dampers (fluid dampers per se [F16F 9/00](#))}
- B60D 1/325 {using friction dampers (friction dampers per se [F16F 7/02](#) to [F16F 7/08](#))}
- B60D 1/327 {using cables}
- B60D 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](#))}
- B60D 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](#))}
- B60D 1/363 . . . {Hitch guiding or catching elements, e.g. V-shaped plates partially surrounding a coupling member for guiding the other coupling member}
- B60D 1/366 {comprising braking means}
- B60D 1/38 . . . involving auxiliary cables for drawing the trailer to the tractor before coupling
- B60D 1/40 . . . involving a temporarily extensible or alignable member ([B60D 1/38](#) takes precedence)
- B60D 1/42 . . for being adjustable
- B60D 1/44 . . . horizontally
- B60D 1/46 . . . vertically
- B60D 1/465 {comprising a lifting mechanism, e.g. for coupling while lifting}
- B60D 1/48 . . characterised by the mounting
- B60D 1/481 . . {adapted for being mounted to the front and back of trailers, carts, trolleys, or the like to form a train}
- B60D 1/483 . . {adapted for being mounted to the side of a vehicle}
- B60D 1/485 . . {mounted by means of transversal members attached to the frame of a vehicle}
- B60D 1/486 . . {adapted for being mounted to the wheel axle of the vehicle}
- B60D 1/488 . . {mounted directly to the chassis of the towing vehicle}

B60D 1/50	. . resiliently mounted (B60D 1/30 takes precedence {; B60D 1/182 takes precedence; springs or dampers per se F16F })
B60D 1/52	. . removably mounted (B60D 1/56 takes precedence)
B60D 1/54	. . collapsible or retractable when not in use, e.g. hide-away hitches (B60D 1/52 takes precedence)
B60D 2001/542	. . . {characterised by the number of pivot axis}
B60D 2001/544 {one pivot axis}
B60D 2001/546 {two pivot axes}
B60D 2001/548 {three pivot axes}
B60D 1/56	. . securing to the vehicle bumper
B60D 1/565	. . . {having an eyelet}
B60D 1/58	. Auxiliary devices
B60D 1/583	. . {Holding down means, e.g. holding down retainers}
B60D 1/586	. . {Lubrication means}
B60D 1/60	. . Covers, caps or guards {e.g. comprising anti-theft devices}
B60D 1/605	. . . {Protection caps}
B60D 1/62	. . involving supply lines, electric circuits, or the like
B60D 1/64	. . . Couplings or joints therefor
B60D 1/66	. . Props
B60D 1/665	. . . {comprising supporting wheels, e.g. dollies}
B60D 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)
B60D 5/00	Gangways for coupled vehicles, e.g. of concertina type
B60D 5/003	. {Bellows for interconnecting vehicle parts}
B60D 5/006	. {Passages between articulated vehicles, e.g. bridges or rotating plates}
B60D 7/00	Other connections