

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