

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**