

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}
- 7/00** **{Other connections}**