

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING (NOTES omitted)

TRANSPORTING

B60 VEHICLES IN GENERAL (NOTE omitted)

B60D VEHICLE CONNECTIONS

NOTE

Attention is drawn to the Note following the title of class [B60](#).

1/00	Traction couplings; Hitches; Draw-gear; Towing devices (fifth-wheel traction couplings B62D 53/08)	1/173	. . . consisting of at least two bars which are not connected or articulated to each other
2001/001	. {specially adapted for use on vehicles other than cars}		WARNING
2001/003	. . {for bicycles or motorbikes}		Group B60D 1/173 is impacted by reclassification into group B60D 1/167 .
2001/005	. . {for carts, scooters or the like}		Groups B60D 1/173 and B60D 1/167 should be considered in order to perform a complete search.
2001/006	. . . {comprising a handle}		
2001/008	. . {specially adapted for implements, e.g. towed tools}		
1/01	. Traction couplings or hitches characterised by their type	1/18	. . . Tow ropes, chains or the like
1/02	. . Bolt or shackle-type couplings	1/182	. . . {comprising resilient members}
1/025	. . . {comprising release or locking lever pins}		WARNING
1/04	. . Hook or hook-and-hasps couplings		Group B60D 1/182 is impacted by reclassification into group B60D 1/50 .
1/06	. . Ball-and-socket hitches		Groups B60D 1/182 and B60D 1/50 should be considered in order to perform a complete search.
1/065	. . . {characterised by the hitch mechanism}		
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	1/185	. . . {comprising a cable or chain winding device (B60D 1/38 takes precedence)}
1/075	. . . {Hitch adaptors}	1/187	. . . {characterised by the connection to the towing vehicle or to the trailer}
1/14	. Draw-gear or towing devices characterised by their type	1/24	. characterised by arrangements for particular functions
1/141	. . {Arrangements or frames adapted to allow the connection of trailers to tractor three-point hitches}	1/241	. . {for suppressing noise generation}
1/143	. . {characterised by the mounting of the draw-gear on the towed vehicle (B60D 1/187 takes precedence)}	1/242	. . {for supporting braking actions, e.g. braking means integrated with hitches; Braking sensors}
1/145	. . consisting of an elongated single bar or tube	1/243	. . {for protection in case of crash, collision, impact or the like}
1/155	. . . comprising telescopic or foldable parts	1/244	. . . {involving weakened zones in the hitches}
1/167	. . consisting of articulated or rigidly assembled bars or tubes forming a V-, Y- or U-shaped draw gear	1/245	. . {for facilitating push back or parking of trailers}
	WARNING	1/246	. . {for actuating the hitch by powered means}
	Group B60D 1/167 is incomplete pending reclassification of documents from group B60D 1/173 .	1/247	. . {for improving weight distribution}
	Groups B60D 1/173 and B60D 1/167 should be considered in order to perform a complete search.	1/248	. . {for measuring, indicating or displaying the weight}
1/1675	. . . {comprising extendable, retractable or foldable members}	1/249	. . {for damping in the pulling direction and being integrated with the hitch, e.g. resilient dampers integrated with the hitch}
		1/26	. . for remote control, e.g. for releasing
		1/28	. . for preventing unwanted disengagement, e.g. safety appliances
		1/30	. . for sway control {; Sway alarm means}
		1/305	. . . {Sway alarm means}
		1/32	. . . involving damping devices

- 1/322 {using fluid dampers}
- 1/325 {using friction dampers}
- 1/327 {using cables}
- 1/34 . . . involving springs
- 1/345 {the springs being of the bar or leaf type}
- 1/36 . . for facilitating connection, e.g. hitch catchers

WARNING

Group [B60D 1/36](#) is incomplete pending reclassification of documents from group [B60D 1/465](#).

Groups [B60D 1/465](#) and [B60D 1/36](#) should be considered in order to perform a complete search.

- 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}

WARNING

Group [B60D 1/465](#) is impacted by reclassification into group [B60D 1/36](#).

Groups [B60D 1/465](#) and [B60D 1/36](#) should be considered in order to perform a complete search.

- 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 a vehicle}
- 1/488 . . {mounted directly to the chassis of the towing vehicle}
- 1/50 . . resiliently mounted ([B60D 1/30 takes precedence](#))

WARNING

Group [B60D 1/50](#) is incomplete pending reclassification of documents from group [B60D 1/182](#).

Groups [B60D 1/182](#) and [B60D 1/50](#) should be considered in order to perform a complete search.

- 1/52 . . removably mounted

WARNING

Group [B60D 1/52](#) is incomplete pending reclassification of documents from groups [B60D 1/56](#) and [B60D 1/565](#). Group [B60D 1/52](#) is also impacted by reclassification into group [B60D 1/54](#).

Groups [B60D 1/52](#), [B60D 1/56](#), [B60D 1/565](#) and [B60D 1/54](#) should be considered in order to perform a complete search.

- 1/54 . . collapsible or retractable when not in use, e.g. hide-away hitches

WARNING

Group [B60D 1/54](#) is incomplete pending reclassification of documents from groups [B60D 1/52](#), [B60D 1/56](#) and [B60D 1/565](#).

Groups [B60D 1/52](#), [B60D 1/56](#), [B60D 1/565](#) and [B60D 1/54](#) should be considered in order to perform a complete search.

- 2001/542 {characterised by the number of pivot axes}
- 2001/544 {One pivot axis}
- 2001/546 {Two pivot axes}
- 2001/548 {Three pivot axes}
- 1/56 . . securing to the vehicle bumper

WARNING

Group [B60D 1/56](#) is impacted by reclassification into groups [B60D 1/52](#) and [B60D 1/54](#).

Groups [B60D 1/56](#), [B60D 1/52](#) and [B60D 1/54](#) should be considered in order to perform a complete search.

- 1/565 . . . {having an eyelet}

WARNING

Group [B60D 1/565](#) is impacted by reclassification into groups [B60D 1/52](#) and [B60D 1/54](#).

Groups [B60D 1/565](#), [B60D 1/52](#) and [B60D 1/54](#) should be considered in order to perform a complete search.

- 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**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}

B60D

99/00 **Subject matter not provided for in other groups of
this subclass**