

# 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.

|                 |                                                                                                                                                                                                                                            |               |                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>1/00</b>     | <b>Traction couplings; Hitches; Draw-gear; Towing devices</b> (devices specially adapted for connection between tractors and agricultural machines or implements <a href="#">A01B 59/00</a> ; fifth-wheel couplings <a href="#">B62D</a> ) | <b>1/1675</b> | . . . {comprising extendable, retractable or foldable members}                                                                   |
| <b>2001/001</b> | . {specially adapted for use on vehicles other than cars}                                                                                                                                                                                  | <b>1/173</b>  | . . consisting of at least two bars which are not connected or articulated to each other                                         |
| <b>2001/003</b> | . . {for bicycles or motorbikes}                                                                                                                                                                                                           | <b>1/18</b>   | . . Tow ropes, chains or the like                                                                                                |
| <b>2001/005</b> | . . {for carts, scooters, or the like}                                                                                                                                                                                                     | <b>1/182</b>  | . . . {comprising resilient members}                                                                                             |
| <b>2001/006</b> | . . . {comprising a handle}                                                                                                                                                                                                                | <b>1/185</b>  | . . . {comprising a cable or chain winding device ( <a href="#">B60D 1/38</a> takes precedence)}                                 |
| <b>2001/008</b> | . . {specially adapted for implements, e.g. towed tools}                                                                                                                                                                                   | <b>1/187</b>  | . . . {characterised by the connection to the towing vehicle or to the trailer}                                                  |
| <b>1/01</b>     | . Traction couplings or hitches characterised by their type                                                                                                                                                                                | <b>1/24</b>   | . characterised by arrangements for particular functions                                                                         |
| <b>1/015</b>    | . . {Fifth wheel couplings}                                                                                                                                                                                                                | <b>1/241</b>  | . . {for suppressing noise generation}                                                                                           |
| <b>1/02</b>     | . . Bolt or shackle-type couplings                                                                                                                                                                                                         | <b>1/242</b>  | . . {for supporting braking actions, e.g. braking means integrated with hitches; Braking sensors}                                |
| <b>1/025</b>    | . . . {comprising release or locking lever pins}                                                                                                                                                                                           | <b>1/243</b>  | . . {for protection in case of crash, collision, impact, or the like}                                                            |
| <b>1/04</b>     | . . Hook or hook-and-hasps couplings                                                                                                                                                                                                       | <b>1/244</b>  | . . . {involving weakened zones in the hitches}                                                                                  |
| <b>1/06</b>     | . . Ball-and-socket hitches {, e.g. constructional details, auxiliary devices, their arrangement on the vehicle}                                                                                                                           | <b>1/245</b>  | . . {for facilitating push back or parking of trailers}                                                                          |
| <b>1/065</b>    | . . . {characterised by the hitch mechanism}                                                                                                                                                                                               | <b>1/246</b>  | . . {for actuating the hitch by powered means}                                                                                   |
| <b>1/07</b>     | . . 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                                                                          | <b>1/247</b>  | . . {for improving weight distribution}                                                                                          |
| <b>1/075</b>    | . . . {Hitch-adaptors}                                                                                                                                                                                                                     | <b>1/248</b>  | . . {for measuring, indicating or displaying the weight}                                                                         |
| <b>1/14</b>     | . Draw-gear or towing devices characterised by their type                                                                                                                                                                                  | <b>1/249</b>  | . . {for damping in the pulling direction and being integrated with the hitch, e.g. resilient dampers integrated with the hitch} |
| <b>1/141</b>    | . . {Arrangements or frames adapted to allow the connection of trailers to tractor three point hitches (coupling of multipurpose tractors with equipment <a href="#">B62D 49/065</a> )}                                                    | <b>1/26</b>   | . . for remote control, e.g. for releasing                                                                                       |
| <b>1/143</b>    | . . {characterised by the mounting of the draw-gear on the towed vehicle ( <a href="#">B60D 1/187</a> takes precedence)}                                                                                                                   | <b>1/28</b>   | . . for preventing unwanted disengagement, e.g. safety appliances                                                                |
| <b>1/145</b>    | . . consisting of an elongated single bar or tube                                                                                                                                                                                          | <b>1/30</b>   | . . for sway control {, e.g. stabilising or anti-fishtail devices; Sway alarm means}                                             |
| <b>1/155</b>    | . . . comprising telescopic or foldable parts                                                                                                                                                                                              | <b>1/305</b>  | . . . {Sway alarm means}                                                                                                         |
| <b>1/167</b>    | . . consisting of articulated or rigidly assembled bars or tubes forming a V-, Y-, or U-shaped draw gear ( <a href="#">B60D 1/173</a> takes precedence)                                                                                    | <b>1/32</b>   | . . . involving damping devices                                                                                                  |
|                 |                                                                                                                                                                                                                                            | <b>1/322</b>  | . . . . {using fluid dampers ( <a href="#">fluid dampers per se F16F 9/00</a> )}                                                 |
|                 |                                                                                                                                                                                                                                            | <b>1/325</b>  | . . . . {using friction dampers ( <a href="#">friction dampers per se F16F 7/02 - F16F 7/08</a> )}                               |
|                 |                                                                                                                                                                                                                                            | <b>1/327</b>  | . . . . {using cables}                                                                                                           |
|                 |                                                                                                                                                                                                                                            | <b>1/34</b>   | . . . involving springs                                                                                                          |

|          |                                                                                                                                                                                                                                                                                                   |       |                                                                            |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------|
| 1/345    | . . . . {the springs being of the bar or leaf type (torsion bars <a href="#">per se F16F 1/14</a> , leaf springs <a href="#">per se F16F 1/18</a> )}                                                                                                                                              | 5/00  | <b>Gangways for coupled vehicles, e.g. of concertina type</b>              |
| 1/36     | . . for facilitating connection, e.g. hitch catchers {, visual guide means, signalling aids ( <a href="#">B60D 1/465 takes precedence</a> ; vehicle signalling in general <a href="#">B60Q</a> ; optical arrangements specially adapted for viewing trailer-hitches <a href="#">B60R 1/003</a> )} | 5/003 | . {Bellows for interconnecting vehicle parts}                              |
| 1/363    | . . . {Hitch guiding or catching elements, e.g. V-shaped plates partially surrounding a coupling member for guiding the other coupling member}                                                                                                                                                    | 5/006 | . {Passages between articulated vehicles, e.g. bridges or rotating plates} |
| 1/366    | . . . . {comprising braking means}                                                                                                                                                                                                                                                                | 99/00 | <b>Subject matter not provided for in other groups of this subclass</b>    |
| 1/38     | . . . involving auxiliary cables for drawing the trailer to the tractor before coupling                                                                                                                                                                                                           |       |                                                                            |
| 1/40     | . . . involving a temporarily extensible or alignable member ( <a href="#">B60D 1/38 takes precedence</a> )                                                                                                                                                                                       |       |                                                                            |
| 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 ( <a href="#">B60D 1/30 takes precedence</a> ; <a href="#">B60D 1/182 takes precedence</a> ; springs or dampers <a href="#">per se F16F</a> )                                                                                                                             |       |                                                                            |
| 1/52     | . . removably mounted ( <a href="#">B60D 1/56 takes precedence</a> )                                                                                                                                                                                                                              |       |                                                                            |
| 1/54     | . . collapsible or retractable when not in use, e.g. hide-away hitches ( <a href="#">B60D 1/52 takes precedence</a> )                                                                                                                                                                             |       |                                                                            |
| 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     | <b>Fittings to facilitate pushing (<a href="#">B60D 1/00 takes precedence</a>; vehicle bumpers <a href="#">B60R 19/02</a>; steering arrangements for backing a normally-drawn trailer <a href="#">B62D 13/06</a>)</b>                                                                             |       |                                                                            |