B60P

COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING
(NOTES omitted)

TRANSPORTING

B60 VEHICLES IN GENERAL
(NOTE omitted)

B60P VEHICLES ADAPTED FOR LOAD TRANSPORTATION OR TO TRANSPORT, TO CARRY, OR TO COMPRISSE SPECIAL LOADS OR OBJECTS (vehicles with special provisions for transporting patients or disabled persons, or their personal conveyances A61G 3/00)

NOTE
Attention is drawn to the Explanatory Note following the class title (B60)

WARNINGS
1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   - B60P 1/46 covered by B60P 1/4421
   - B60P 3/022 covered by E04G 21/14
   - B60P 3/325 covered by B60P 3/32
   - B60P 3/33 covered by B60P 3/34
   - B60P 3/335 covered by B60P 3/32
   - B60P 3/345 covered by B60P 3/34
   - B60P 3/35 covered by B60P 3/34
   - B60P 3/355 covered by B60P 3/34
   - B60P 3/363 covered by B60P 3/36
   - B60P 3/367 covered by B60P 3/36
   - B60P 3/37 covered by B60P 3/343
   - B60P 3/373 covered by B60P 3/32
   - B60P 3/377 covered by B60P 3/34
   - B60P 5/00 covered by G01G 19/08

2. 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 Vehicles predominantly for transporting loads and modified to facilitate loading, consolidating the load, or unloading (vehicles for carrying harvested crops with means for self-loading or self-unloading A01D 90/00; peculiar to refuse collecting-vehicles B65F; loading or unloading vehicles by means not incorporated therein B65G)

1/003 . (vehicles with loading gates (B60P 1/43 takes precedence))

1/006 . (charge and discharge with pusher plates (plates fixed to endless chains or belts B60P 1/365))

1/02 . with parallel up-and-down movement of load supporting or containing element (in combination with tipping B60P 1/34; devices for lifting or lowering bulky or heavy goods for loading or unloading purposes, movable on wheels or the like, e.g. fork-lift trucks, B66F 9/06 (; suspensions with electronic levelling control during loading or unloading B60G 17/0157))

1/022 . . (with a loading platform outside the wheels)

1/025 . . (with a loading platform inside the wheels of the same axle and being lowerable below the axle)

1/04 . with a tipping movement of load-transporting element (dredgers or soil-shifting machines E02F 3/00)

1/045 . . (levelling or stabilising systems for tippers (suspensions with levelling or stabilising means for vehicles in general B60G 17/00, B60G 21/00, using ground-engaging vehicle fittings B60S 9/00))

1/06 . . actuated by mechanical gearing only

1/08 . . with relative displacement of the wheel axles

1/10 . . with screw and nut

1/12 . . with toothed gears, wheels, or sectors; with links, cams and rollers, or the like

1/14 . . with cables, chains, or the like

1/16 . . actuated by fluid-operated mechanisms

1/162 . . (the hydraulic system itself)

1/165 . . (tipping movement about a fore and aft axis)

1/167 . . . (three side tipping movement)

1/18 . . with relative displacement of the wheel axles

1/20 . . with toothed gears, wheels, or sectors; with links, cams and rollers, or the like
1/22 . . . with cables, chains, or the like
1/24 . . . using the weight of the load
1/26 . . . Means for controlling movement of tailboards or sideboards {open loading compartments with movable sideboards or tailgates B62D 33/027]
1/267 . . . Controlling degree of tailboard or sideboard movement in dependence upon degree of tipping movement, e.g. by linkage or cam
1/273 . . . Providing interdependence between tipping movement and the latching or unlatching of a freely-swingable tailboard or sideboard
1/28 . . . Tipping body constructions
1/283 . . . {Elements of tipping devices}
1/286 . . . {Loading buckets}
1/30 . . . in combination with another movement of the element
1/32 . . . the other movement being lateral displacement
1/34 . . . the other movement being raising or lowering
1/36 . . . using endless chains or belts thereon
1/365 . . . {the chains or belts being fixed to a rigid pusher plate (other charging and discharging devices with pusher plates B60P 1/006)]
1/38 . . . forming the main load-transporting element or part thereof {B60P 1/365 takes precedence}
1/40 . . . using screw conveyors thereon
1/42 . . . mounted on the load-transporting element
1/43 . . . using a loading ramp mounted on the vehicle (loading ramps per se B65G 69/28)
1/431 . . . {the ramp being stored under the loading floor when not in use}
1/433 . . . {the loading floor or a part thereof being movable to form the ramp}
1/435 . . . {the ramp being attached to or making part of the side- or tailboards of the vehicle}
1/436 . . . {the ramp being used for more than one height of loading floor}
1/438 . . . {with means for balancing the weight of the ramp between use and non-use position}
1/44 . . . having a loading platform thereon raising the load to the level of the load-transporting element {vehicles with special provisions for invalids comprising means for loading or unloading invalid conveyances A61G 3/02]
1/4407 . . . {and lifting achieved by pivoting of the loading platform}
1/4414 . . . {and keeping the loading platform parallel to the ground when raising the load}
1/4421 . . . {the loading platform being carried in at least one vertical guide}
1/4428 . . . {and pivotal in a horizontal plane}
1/4435 . . . {the loading platform being suspended by wires, chains or the like from horizontal rails, e.g. the rails forming part of the vehicle floor}
1/4442 . . . {the raising device, when not in use, being stored inside the load-transporting compartment}
1/445 . . . {the loading platform, when not in use, being stored under the load-transporting surface}
1/4457 . . . {Means for immobilising the load or preventing it from rolling off during lifting: Man-rails}
1/4464 . . . {Warning signals, e.g. acoustic or visual}
1/4471 . . . {General means for controlling movements of the loading platform, e.g. hydraulic systems}
1/4478 . . . {Safety stops, switches}
1/4485 . . . {Attaching the complete loading platform unit to the vehicle}
1/4492 . . . {Design or construction of the moving platform itself}
1/48 . . . using pivoted arms raisable above load-transporting element {for refuse collecting vehicles B65F 3/041]; load engaging elements B66C 100 - B66C 300}
1/483 . . . {using pivoted arms shifting the load-transporting element in a fore or aft direction}
1/486 . . . {using pivoted arms shifting the load-transporting element in a crosswise direction}
1/50 . . . loading from in front of the vehicle
1/52 . . . using rollers in the load-transporting element
1/54 . . . using cranes for self-loading or self-unloading (vehicles for transporting cranes B60P 3/28, mobile or traveling cranes B66C)
1/5404 . . . {with a fixed base B60P 1/5485 takes precedence}
1/5409 . . . {attached to the roof of the vehicle}
1/5414 . . . {and having the first pivot on a horizontal axis}
1/5419 . . . {and having the first pivot on a vertical axis}
1/5423 . . . {attached to the loading platform or similar}
1/5428 . . . {and having the first pivot on a horizontal axis}
1/5433 . . . {and having the first pivot on a vertical axis}
1/5438 . . . {with a moveable base B60P 1/5485 takes precedence}
1/5442 . . . {attached to the roof of the vehicle}
1/5447 . . . {and having the first pivot on a horizontal axis}
1/5452 . . . {and having the first pivot on a vertical axis}
1/5457 . . . {attached to the loading platform or similar}
1/5461 . . . {and having the first pivot on a horizontal axis}
1/5466 . . . {and having the first pivot on a vertical axis}
1/5471 . . . {the crane being detachable from the vehicle}
1/5476 . . . {and having a first pivot on a horizontal axis}
1/548 . . . {and having a first pivot on a vertical axis}
1/5485 . . . {with arrangements to fold away the crane out of sight or in order to save space}
1/549 . . . {and having a first pivot on a horizontal axis}
1/5495 . . . {and having a first pivot on a vertical axis}
1/56 . . . the load-transporting element having bottom discharging openings
1/58 . . . using vibratory effect
1/60 . . . using fluids, e.g. having direct contact between fluid and load {for railway wagons B61D 5/004}
1/62 . . . with porous walls
1/64 . . . the load supporting or containing element being readily removable {B60P 1/48 takes precedence}; caravan, camping, or the like vehicles characterised by living accommodation in the form of a removable body supported by the vehicle unit B60P 3/34]
1/6409 . . . {details, accessories, auxiliary devices}
1/6418 . . . {the load-transporting element being a container or similar}
1/6427 . . . {the load-transporting element being shifted horizontally in a fore and aft direction, combined or not with a vertical displacement}
Vehicles adapted to transport, to carry or to comprise special loads or objects (ambulances or other vehicles with special provisions for transporting patients or disabled persons, or their personal conveyances A61G 3/00; hearses A61G 21/00; fire-fighting land vehicles A62C 27/00; refuse-collecting vehicles B65F 3/00; B65F 7/00; snow-removing vehicles E01H; armoured or armed vehicles B60P 3/36).

3/02 . . . [for carrying glass plates]
3/05 . . . [for use in contaminated areas, e.g. N.B.C. intervention vehicles]
3/07 . . . [for delivery of small articles, e.g. milk, frozen articles]
3/025 , the object being a shop, cafeteria or display { the object being a theatre or stage } { the object being a workshop B60P 3/14 })
3/0252 , the object being a shop or restaurant { the object being a theater, cinema or grandstand }
3/0255 , the object being a display, i.e. for displaying articles
3/0257 , the object being a vending stall, restaurant or food kiosk
3/03 . . . [for transporting money or other valuables]
3/035 . . . [for transporting reel units]
3/04 . . . [for transporting animals { (railway wagons adapted for carrying animals B61D 3/163 })]
3/05 . . . [for transporting meat (for transporting refrigerated goods B60P 3/20)]
3/055 . . . [for transporting bottles]
3/06 . . . [for carrying vehicles (B60P 3/12 takes precedence; caravans, camping, or like vehicles with vehicle-carrying means (B60P 3/36))]
3/062 . . . [Especially adapted for carrying tracked vehicles, e.g. public works machinery, battle tanks, snowmobiles]
3/064 . . . [Especially adapted for carrying non tracked public work, tractor or combat vehicles]
3/066 . . . [specially adapted for carrying bulky agricultural material, e.g. combines]
3/068 . . . [Especially adapted for road transportation of railway stock (vehicles for use both on rail and on road B60P 1/00)]
3/07 . . . [for carrying road vehicles]
3/071 . . . [Arrangement of overturned or on-edge vehicles]

3/073 . . . [Vehicle retainers { specially adapted for fixing semi-trailers on railway vehicles B61D 45/004 }]
3/075 . . . [for wheels, hubs, or axle shafts]
3/077 . . . [Wheel cradles, chocks, or wells]
3/079 . . . [Tie-down retainers (B60P 3/075 takes precedence)]
3/08 . . . [Multi-level-deck construction carrying vehicles]
3/10 . . . [for carrying boats {(for carrying sailboards B60R 9/08; B63B 35/7946; equipment forming part of or attachable to vessels facilitating transport over land, e.g. wheel units, towing units, B63C 13/000 })]
3/1008 . . . [on the vehicle roof]
3/1016 . . . [with the boat or boat-supporting frame pivoting around a horizontal axis when loading on the roof]
3/1025 . . . [with a sliding or rolling main movement of the boat or boat-supporting frame when loading on the roof]
3/1033 . . . [on a loading frame, e.g. the vehicle being a trailer (B60P 3/1008 takes precedence)]
3/1041 . . . [comprising a shelter or boat protection, e.g. usable as a camper]
3/105 . . . [using a trailer convertible into a multipurpose trailer]
3/1058 . . . [with the boat carried on or attached to a sliding subframe on the vehicle frame]
3/1066 . . . [Arrangement of supports, rollers or winches on the vehicle]
3/1075 . . . [Guiding means for loading the boat (using rollers B60P 3/1066)]
3/1083 . . . [Means for extending the drawbar; Dollies and skidplates for the tow hitch]
3/1091 . . . [by suspending the boat, e.g. straddle trucks or trailers]
3/11 . . . [for carrying aircraft]
3/12 . . . [for salvaging damaged vehicles]
3/122 . . . [by supporting the whole vehicle]
3/125 . . . [by supporting only part of the vehicle, e.g. front- or rear-axle]
3/127 . . . [on a tow dolly]
3/14 . . . [the object being a workshop for servicing, for maintenance, or for carrying workmen during work (lifting devices for movable platforms or cabins for workmen B66F 11/04)]
3/16 . . . [for carrying mixed concrete, e.g. having rotatable drums {(concrete-mixing apparatus specially adapted for being mounted on vehicles with provision for mixing during transport B28C 5/421 }]
3/18 . . . [the object being a searchlight { (mounting of cameras operating during drive B60R 11/04) }]
3/20 . . . [Refrigerated goods vehicles { (air treatment of goods space B60H; air-conditioning means for freight cars, isothermic wagons B61D 27/0027; superstructures for refrigerated goods vehicles B62D 33/048 })]
3/205 . . . [with means for dividing the interior volume, e.g. movable walls or intermediate floors]
3/22 . . . [Tank vehicles {(vehicles convertible from transport of fluids to transport of other types of goods B60P 3/426 ); tank aspects B65D 90/00; F17C}]
3/2205 . . . [Constructional features]
3/221  . . . [Assembling, e.g. layout of steel plates or reinforcing arrangements]
3/225  . . . [Mounting of tanks to vehicles]
3/226  . . . [Arrangements of access openings or covers therefor]
3/226  . . . [Arrangements for hoses, tubes, or reels]
3/226  . . . [Ventilating arrangements]
3/226  . . . [Arrangements of access openings or covers therefor]
3/226  . . . [Arrangements for hoses, tubes, or reels]
3/227  . . . [Methods for tracing the load]
3/227  . . . [Methods for tracing the load]
3/228  . . . [Measuring or indicating means, e.g. of level, volume, weight]
3/228  . . . [Measuring or indicating means, e.g. of level, volume, weight]
3/229  . . . [Anti-theft means (for vehicles B60R 25/00)]
3/229  . . . [Anti-theft means (for vehicles B60R 25/00)]
3/229  . . . [Means for heating, cooling, or insulating tanks or equipments (for tank containers B65D 88/748)]
3/229  . . . [Means for heating, cooling, or insulating tanks or equipments (for tank containers B65D 88/748)]
3/24  . . . compartmented
3/24  . . . compartmented
3/246  . . . [divided by rigid walls]
3/246  . . . [divided by rigid walls]
3/246  . . . [divided by flexible walls]
3/28  . . . (vessels using cranes for self-loading or self-unloading B60P 1/54; mobile or travelling cranes B66C)
3/30  . . . (vessels using cranes for self-loading or self-unloading B60P 1/54; mobile or travelling cranes B66C)
3/30  . . . Spraying vehicles (sprinkling-wagons for fertilising liquid A01C 23/00; for destruction of noxious animals, vermin, or unwanted vegetation A01M; vehicle-mounted spraying installations for de-icing aircraft B64F 5/23;) for spraying asphalt, bitumen, tar, or the like E01C; for cleaning streets E01H)
3/32  . . . comprising living accommodation for people, e.g. caravans, camping, or like vehicles (tents or canopies, in general E04H 15/00)
3/32  . . . comprising living accommodation for people, e.g. caravans, camping, or like vehicles (tents or canopies, in general E04H 15/00)
3/34  . . . the living accommodation being expansible, collapsible or capable of rearrangement (B60P 3/38) takes precedence; tents supported at least partially by vehicles E04H 15/06)
3/34  . . . the living accommodation being expansible, collapsible or capable of rearrangement (B60P 3/38) takes precedence; tents supported at least partially by vehicles E04H 15/06)
3/341  . . . [comprising flexible elements]
3/343  . . . [Hoods for caravans]
3/36  . . . Auxiliary arrangements; Arrangements of living accommodation (toilet or washing arrangements B60R 15/00); Details
3/38  . . . Sleeping arrangements (e.g. living or sleeping accommodation on the roof of the vehicle)
3/39  . . . expansible, collapsible or repositionable elements adapted to support a bed, e.g. wall portions
3/40  . . . for carrying long loads, e.g. with separate wheeled load supporting elements (E04G 21/14) takes precedence; signal devices to be attached to overhanging load B60Q 7/02)
3/41  . . . for log transport
3/42  . . . convertible from one use to a different one (vehicles capable of travelling in on different media, rail-and-road vehicles B60F)
3/423  . . . [from transport of persons to transport of goods]