

**CPC****COOPERATIVE PATENT CLASSIFICATION****B62B****HAND-PROPELLED VEHICLES, e.g. HAND CARTS, PERAMBULATORS; SLEDGES****NOTE**

In this subclass, the term "hand carts" also embraces hand-propelled wheeled devices in so far as the features thereof are generic to hand carts. This term also embraces pedestrian-controlled power-driven vehicles in so far as the features thereof are generic to hand carts

Rollers are taken as being equivalent to wheels

**WARNING**

The following IPC groups are not used in the internal CPC classification scheme. Subject matter covered by these groups is classified in the following CPC groups :

[B62B 3/065](#) covered by [B62B 3/06B4](#)

**Guidance heading:** Hand carts

**B62B 1/00** Hand carts having only one axis carrying one or more transport wheels; Equipment therefor

- B62B 1/002 . { convertible from a one-axled vehicle to a two-axled vehicle }
- B62B 1/004 . { being longitudinally nestable with each other }
- B62B 1/006 . { being vertically stackable with each other }
- B62B 1/008 . { having a prop or stand for maintaining position }
- B62B 1/02 . in which the wheel axis is disposed between the load and the handles
- B62B 1/04 . . involving parts being adjustable, collapsible, attachable, detachable, or convertible
- B62B 1/042 . . . { foldable }
- B62B 1/045 . . . { foldable in one action }
- B62B 1/047 . . . . { by telescopic movement of the handle }
- B62B 1/06 . . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment
- B62B 1/08 . . having auxiliary wheels used during loading or unloading
- B62B 1/10 . in which the load is intended to be transferred totally to the wheels
- B62B 1/12 . . involving parts being adjustable, collapsible, attachable, detachable, or convertible
- B62B 1/125 . . . { by means of telescoping elements }
- B62B 1/14 . . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment

- B62B 1/142 . . . { with object clamping means being movable substantially parallel to the ground surface }
- B62B 1/145 . . . { Unloading equipment for pushing the load from the carrier platform }
- B62B 1/147 . . . { the load support being in the form of a scoop }
- B62B 1/16 . . involving tiltably-mounted containers
- B62B 1/18 . in which the load is disposed between the wheel axis and the handles, e.g. wheelbarrows
- B62B 1/183 . . { with spring-mounted wheels }
- B62B 1/186 . . { comprising an additional wheel, e.g. mounted on the struts }
- B62B 1/20 . . involving parts being collapsible, attachable, detachable or convertible
- B62B 1/202 . . . { Detachable buckets }
- B62B 1/204 . . . { Detachable elements on the buckets, e.g. for increasing volume }
- B62B 1/206 . . . { and capable of being completely disassembled }
- B62B 1/208 . . . { foldable }
- B62B 1/22 . . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment
- B62B 1/24 . . involving tiltably-mounted containers
- B62B 1/26 . characterised by supports specially adapted to objects of definite shape
- B62B 1/262 . . { the objects being of elongated shape, e.g. fishing rods, golf clubs }
- B62B 1/264 . . { the objects being of cylindrical shape, e.g. barrels, buckets, dustbins }
- B62B 1/266 . . { the objects being bags }
- B62B 1/268 . . { the objects being plates, doors, panels or the like }
- B62B 3/00** **Hand carts having more than one axis carrying transport wheels; Steering devices therefor; Equipment therefor** ({ convertible from one-axled to two-axled vehicle [B62B 1/002](#) )}
- B62B 3/001 . { Steering devices }
- B62B 3/002 . { characterised by a rectangular shape, involving sidewalls or racks }
- B62B 3/003 . . { Non-transparent side walls }
- B62B 3/004 . . { Details of doors or cover lids }
- B62B 3/005 . . { Details of storage means, e.g. drawers, bins or racks }
- B62B 3/006 . { for stacking objects like trays, bobbins, chains }
- B62B 3/007 . { Coaster wagons }
- B62B 3/008 . { having more than two axes }
- B62B 3/009 . { of the single-track type }
- B62B 3/02 . involving parts being adjustable, collapsible, attachable, detachable or convertible
- B62B 3/022 . . { folding down the body to the wheel carriage or by retracting projecting parts ( collapsible containers [B65D](#), e.g. [B65D 7/24](#) , [B65D 9/12](#) , [B65D 11/18](#) ) }

- B62B 3/025 .. { Foldable roll containers }
- B62B 3/027 .. { collapsible shopping trolleys }
- B62B 3/04 . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment
- B62B 3/06 .. for simply clearing the load from the ground ( [masted lift trucks B66F](#) )
- B62B 3/0606 ... { manually operated }
- B62B 3/0612 ... { power operated }
- B62B 3/0618 ... { using fluid lifting mechanisms }
- B62B 3/0625 ... { using rigid mechanical lifting mechanisms, e.g. levers, cams or gears }
- B62B 3/0631 .... { with a parallelogram linkage }
- B62B 3/0637 ... { using flexible mechanical lifting mechanisms, e.g. ropes or chains }
- B62B 3/0643 ... { the wheels remaining stationary while the supporting surface is lifted }
- B62B 3/08 . involving tiltably-mounted containers
- B62B 3/10 . characterised by supports specially adapted to objects of definite shape
- B62B 3/102 .. { the objects being of elongated shape, e.g. rods or golf clubs }
- B62B 3/104 .. { the object being of cylindrical shape, e.g. barrels, buckets, dustbins }
- B62B 3/106 .. { the objects being bags }
- B62B 3/108 .. { the objects being plates, doors, panels, or the like }
- B62B 3/12 . characterised by three-wheeled construction
- B62B 3/14 . characterised by provisions for nesting or stacking, e.g. shopping trolleys {( [collapsible shopping trolleys B62B 3/027](#) )}
- B62B 3/1404 .. { Means for facilitating stowing or transporting of the trolleys; Antitheft arrangements ( [B62B 5/0423 takes precedence](#) )}
- B62B 3/1408 .. { Display devices mounted on it, e.g. advertisement displays }
- B62B 3/1412 ... { mounted on the frame }
- B62B 3/1416 ... { mounted on the handle }
- B62B 3/142 ... { mounted on the basket }
- B62B 3/1424 ... { Electronic display devices }
- B62B 3/1428 .. { Adaptations for calculators, memory aids or reading aids }
- B62B 3/1432 ... { mounted in the locking device }
- B62B 3/1436 .. { Covers, e.g. for protection in rain }
- B62B 3/144 .. { Adaptations for transporting children; Mounting of toys for the children }
- B62B 3/1444 ... { Transporting devices mounted on the shopping cart }
- B62B 3/1448 ... { Linings or cushions }
- B62B 3/1452 ... { Safety belts }
- B62B 3/1456 ... { Mounting of toys }
- B62B 3/146 .. { Lockers, hooks e.g. for personal belongings }
- B62B 3/1464 .. { Bags or containers specially adapted to the baskets }
- B62B 3/1468 .. { Additional trays }
- B62B 3/1472 .. { Supports for specific articles ( [B62B 3/1468 takes precedence](#) )}

- B62B 3/1476 . . { the main load support being a platform }
- B62B 3/148 . . { Adaptations facilitating the transport to the counter }
- B62B 3/1484 . . . { by an auxiliary access to the inside of the basket }
- B62B 3/1488 . . { Indicating or preventing transport of goods under the basket }
- B62B 3/1492 . . { Wheel arrangements }
- B62B 3/1496 . . { Assembling of baskets to the wheeled support }
- B62B 3/16 . . vertically stackable
- B62B 3/165 . . . { roll baskets }
- B62B 3/18 . . nestable by means of pivoted supports or support parts, e.g. baskets ({ [B62B 3/1476](#) takes precedence })
- B62B 3/182 . . . { Swinging baskets }
- B62B 3/184 . . . { Nestable roll containers }
- B62B 3/186 . . . . { V-shaped when nested }
- B62B 3/188 . . . . { Z-shaped when nested }

**B62B 5/00** **Accessories or details specially adapted for hand carts** ({ [B62B 3/1404](#) }, [B62B 9/00](#) take precedence; wheels, axles, or axle bearing for vehicles [B60B](#); castors for vehicles, castors in general [B60B 33/00](#) )

- B62B 5/0003 . { Adaptations for loading in or on a vehicle }
- B62B 5/0006 . { Bumpers; Safety devices }
- B62B 5/0009 . . { Stops for moving parts, e.g. rubber elements to eliminate stop noise }
- B62B 5/0013 . { Protection covers, e.g. against rain }
- B62B 5/0016 . { Adaptations for connection to perambulators }
- B62B 5/002 . { Adaptations for moving the carts by wheel chair users or other disabled persons }
- B62B 5/0023 . { Arrangements for carrying as a back-pack }
- B62B 5/0026 . { Propulsion aids }
- B62B 5/003 . . { Combustion engines }
- B62B 5/0033 . . { Electric motors }
- B62B 5/0036 . . . { Arrangements of motors }
- B62B 5/004 . . . . { in wheels }
- B62B 5/0043 . . . . { One motor drives one wheel }
- B62B 5/0046 . . . . { One motor drives two wheels }
- B62B 5/005 . . . . { Detachably mounted motor units }
- B62B 5/0053 . . . { Arrangements of batteries }
- B62B 5/0056 . . . { Energy recuperation }
- B62B 5/0059 . . { facilitating hand propulsion when motor fails }
- B62B 5/0063 . . { guiding, e.g. by a rail }
- B62B 5/0066 . . { Transmission of movement }

- B62B 5/0069 .. { Control }
- B62B 5/0073 ... { Measuring a force }
- B62B 5/0076 ... { Remotely controlled }
- B62B 5/0079 .. { Towing by connecting to another vehicle }
  
- B62B 5/0083 . { Wheeled supports connected to the transported object }
- B62B 5/0086 .. { arranged independently on either side of the transported load }
- B62B 5/0089 .. { Lifting lever on wheels or rollers }
- B62B 5/0093 .. { Flat dollies without hand moving equipment }
  
- B62B 5/0096 . { Identification of the cart or merchandise, e.g. by barcodes or radio frequency identification (RFID) }
  
- B62B 5/02 . providing for travelling up or down a flight of stairs ( [chairs or multi-track cycles specially adapted for invalids A61G 5/00](#) )
- B62B 5/021 .. { specially adapted for escalators }
- B62B 5/023 .. { using an upwards pushing device }
- B62B 5/025 .. { with gliding elements, e.g. skids }
- B62B 5/026 .. { with spiders or adapted wheels }
- B62B 5/028 .. { with excentrically mounted wheels }
  
- B62B 5/04 . Braking mechanisms; Locking devices against movement
- B62B 5/0404 .. { automatic }
- B62B 5/0409 ... { when user rises from seat }
- B62B 5/0414 ... { dead man's brakes }
- B62B 5/0419 ... { braking when nested }
- B62B 5/0423 ... { braking or blocking when leaving a particular area }
- B62B 5/0428 ... { braking when supported on a transport belt }
- B62B 5/0433 .. { foot operated }
- B62B 5/0438 .. { hand operated }
- B62B 5/0442 ... { using a handle bar alone }
- B62B 5/0447 ... { using elements cooperating with a handle bar }
- B62B 5/0452 .. { by hydraulic means }
- B62B 5/0457 .. { by locking in a braking position }
- B62B 5/0461 ... { with positive engagement }
- B62B 5/0466 .. { by turning the wheels in different directions, e.g. toe-in }
- B62B 5/0476 .. { Rim brakes }
- B62B 5/048 .. { Hub brakes; drum brakes }
- B62B 5/0485 .. { by braking on the running surface, e.g. the tyre }
- B62B 5/049 .. { locking against movement by contacting the floor or a wall }
- B62B 5/0495 ... { by contacting a wall }
  
- B62B 5/06 . Hand moving equipment, e.g. handle bars ( [for cycles B62K 11/14](#) , [B62K 21/12](#) )
- B62B 5/061 .. { both ends or periphery of cart fitted with handles }
- B62B 5/062 .. { elastically mounted, e.g. for wheelbarrows }

- B62B 5/063 .. { for low-lift hand trucks }
- B62B 5/064 .. { adaptable for different users, e.g. by means of pivoting elements }
- B62B 5/065 ... { by means of telescopic elements }
- B62B 5/066 .. { Handle bars rotatable about their longitudinal axis }
- B62B 5/067 .. { Stowable or retractable handle bars }
- B62B 5/068 .. { Connections to the body for moving the cart, e.g. harnesses }
- B62B 5/069 .. { Removable sleeves on handle bars, e.g. for protection against germs }
  
- B62B 5/08 . Children`s seats ( [B62B 3/14](#) takes precedence ); { Seats or supports for other persons }
- B62B 5/082 .. { Children`s seats }
- B62B 5/085 .. { Resting seats }
- B62B 5/087 .. { Platforms to stand upon }

**Guidance heading:** **Carriages for children; Perambulators** ( [chairs or multi-track cycles specially adapted for invalids A61G 5/00](#) )

## **B62B 7/00**

### **Carriages for children; Perambulators, e.g. dolls` perambulators**

- B62B 7/002 . { having a single central pillar }
- B62B 7/004 . { Carriages supporting a hammock-style seat }
- B62B 7/006 . { Carriages supporting a rigid seat ( [when detachable or rotatable B62B 7/145](#) ) }
- B62B 7/008 . { for two or more children }
- B62B 7/02 . having only a single wheel axis
- B62B 7/04 . having more than one wheel axis; Steering devices therefor
- B62B 7/042 .. { Steering devices }
- B62B 7/044 .. { three wheeled }
- B62B 7/046 ... { with interchangeable front wheel unit }
- B62B 7/048 .. { Single track type }
- B62B 7/06 .. collapsible or foldable
- B62B 7/062 ... { Coupling unit between front wheels, rear wheels and handle }
- B62B 7/064 ... { the handle bar being parallel to the front leg }
- B62B 7/066 .... { the handle bar moves in parallel relation during folding }
- B62B 7/068 ... { by sliding a bushing along a rod, e.g. like folding means of an umbrella }
- B62B 7/08 ... in the direction of, or at right angles to, the wheel axis
- B62B 7/083 .... { the wheel axes being moved from each other during folding }
- B62B 7/086 .... { becoming smaller in all three dimensions }
- B62B 7/10 ... by folding down the body to the wheel carriage or by retracting projecting parts into the box-shaped body
- B62B 7/105 .... { with the wheels staying in a fixed relation to each other }

- B62B 7/12      ..      convertible, e.g. into children`s furniture or toy ( [children`s chairs convertible to pushchairs A47D 1/06](#) )
- B62B 7/123      ...      { from seat to bed ( [B62B 7/147](#) , [B62B 9/104](#) take precedence ) }
- B62B 7/126      ...      { into a trailer, e.g. bicycle trailer }
- B62B 7/14      ..      with detachable or rotatably-mounted body ( [the body usable as a child's seat in a vehicle B60N 2/2848](#) ) }
- B62B 7/142      ...      { Means for securing the body to the frame }
- B62B 7/145      ...      { the body being a rigid seat, e.g. a shell }
- B62B 7/147      ...      { rotatable as a whole to transform from seating to lying }

**B62B 9/00**      **Accessories or details specially adapted for children`s carriages or perambulators**  
( [providing for travelling on snow B62B 19/00](#) )

- B62B 9/005      .      { [Safety means for traffic, e.g. lights, reflectors, mirrors etc.](#) ( [Signaling means for cycles B62J](#) ) }

**WARNING**

Not complete, see also [B62B 9/00](#)

- B62B 9/02      .      providing for travelling up or down a flight of stairs
- B62B 9/04      ..      with runners, e.g. sledge runners
- B62B 9/06      ..      with spiders or the like
- B62B 9/08      .      Braking mechanisms; Locking devices against movement
- B62B 9/082      ..      { [foot operated](#) }
- B62B 9/085      ..      { [hand operated](#) }
- B62B 9/087      ..      { [by locking in a braking position](#) }
- B62B 9/10      .      Perambulator bodies; Equipment therefor ( [collapsible or foldable B62B 7/06](#) ; [convertible B62B 7/12](#) )
- B62B 9/102      ..      { [characterized by details of the seat](#) }
- B62B 9/104      ...      { [with adjustable or reclining backrests](#) }
- B62B 9/106      ...      { [with head guards](#) }
- B62B 9/108      ...      { [Linings or cushions](#) }
- B62B 9/12      ..      involving parts that are adjustable, attachable or detachable ( ( [B62B 9/102](#) , [B62B 9/14](#) take precedence ) }
- B62B 9/14      ..      { [Equipment protecting from environmental influences, e.g.](#) }Hoods; Weather screens; Cat nets
- B62B 9/142      ...      { [by flexible canopies, covers or nets](#) }
- B62B 9/145      ....      { [of the roll-up type](#) }
- B62B 9/147      ...      { [Attachments or holders for umbrellas, parasols or sunshade panels](#) ( [details of umbrellas A45B 25/00](#) ) }
- B62B 9/16      .      Mud-guards or protecting devices for wheels
- B62B 9/18      .      Resilient suspensions of bodies

- B62B 9/185 . . { by springs between seat and frame }
- B62B 9/20 . Handle bars; Handles
- B62B 9/203 . . { movable from front end to rear end position }
- B62B 9/206 . . { with two separate bars, i.e. not interconnected }
- B62B 9/22 . Devices for rocking or oscillating
- B62B 9/24 . Safety guards for children, e.g. harness ( cat nets [B62B 9/14](#) ; devices for use in guiding or supporting children, e.g. safety harness [A47D 13/08](#) )
- B62B 9/245 . . { Removable front guards, e.g. with a tray }
- B62B 9/26 . Securing devices for bags or toys; { Arrangements of racks, bins, trays or other devices for transporting articles }
- B62B 9/28 . Auxiliary dismountable seats; { Additional platforms for children in standing-up position }
- B62B 11/00** **Hand-propelled vehicles not otherwise provided for** ( rider propulsion of vehicles [B62M 1/00](#) )
- Guidance heading:** **Sledges** ( characterised by animal propulsion [B62C](#) ; propulsion of sledges by driver or engine [B62M](#) )
- B62B 13/00** **Sledges with runners** ( ice boats or sailing sledges [B62B 15/00](#) )
- B62B 13/005 . { comprising articulated sledge segments] }
- B62B 13/02 . characterised by arrangement of runners
- B62B 13/04 . . arranged in a single line
- B62B 13/043 . . . { having one single runner ( Monoski [A63C 5/03](#) ) }
- WARNING**
- Not complete, see [B62B 13/04](#)
- B62B 13/046 . . . { with steering devices }
- B62B 13/06 . . arranged in two or more parallel lines
- B62B 13/08 . . . with steering devices
- B62B 13/10 . . . . with swivelling portions of the runners; with a swivelling middle runner
- B62B 13/12 . . . . with tilting or bending runners
- B62B 13/125 . . . . . { the runners being bent in the shape of the curve to follow }
- B62B 13/14 . . . . combined with braking devices
- B62B 13/16 . Collapsible or foldable sledges
- B62B 13/18 . Vehicles having alternatively-usable runners and wheels { or other transport means }
- B62B 15/00** **Other sledges; Ice boats or sailing sledges**



|                     |   |
|---------------------|---|
| B62B 15/001         | . { propelled by sails }  |
| B62B 15/002         | .. { having skis or runners }   |
| B62B 15/003         | .. { having floats }  |
| B62B 15/004         | .. { having wheels }  |
| B62B 15/005         | ... { the arrangement is similar to a bicycle }   |
| B62B 15/006         | . { Inflatable sledges }  |
| B62B 15/007         | . { Towed sledges }   |
| B62B 15/008         | . { Wheeled sledges ( <a href="#">B62B 13/18</a> and <a href="#">B62B 15/001</a> take precedence ) }  |
| B62B 15/009         | .. { Wheels attachable to the runners }   |
| <b>B62B 17/00</b>   | <b>Accessories or details of sledges</b> {( propulsion devices for sledges <a href="#">B62M 27/00</a> , <a href="#">B62M 29/00</a> ) }  |
| B62B 17/005         | . { Safety devices }  |
| B62B 17/02          | . Runners ( attachable to or replacing vehicle wheels <a href="#">B62B 19/00</a> )  |
| B62B 17/04          | .. resiliently suspended  |
| B62B 17/06          | . Superstructures; Attachments therefor   |
| B62B 17/061         | .. { Handles }  |
| B62B 17/062         | .. { Resilient suspensions of bodies ( <a href="#">B62B 17/04</a> takes precedence ) }  |
| B62B 17/063         | .. { Seats or other supports specially adapted for the user }   |
| B62B 17/065         | ... { the user being standing up }  |
| B62B 17/066         | ... { the user being hanging in a harness }   |
| B62B 17/067         | ... { the user being sitting on his knees }   |
| B62B 17/068         | ... { the user being laying on his belly }  |
| B62B 17/08          | . Braking devices   |
| <b>B62B 19/00</b>   | <b>Runners for carrying wheeled vehicles to facilitate travel on ice or snow</b>  |
| B62B 19/02          | . attachable to wheels  |
| B62B 19/04          | . replacing wheels  |
| <b>B62B 2005/00</b> | <b>Accessories or details specially adapted for hand carts</b> ({ <a href="#">B62B 3/1404</a> } , <a href="#">B62B 9/00</a> take precedence; wheels, axles, or axle bearing for vehicles <a href="#">B60B</a> ; castors for vehicles, castors in general <a href="#">B60B 33/00</a> ) |
| B62B 2005/04        | . Braking mechanisms; Locking devices against movement  |
| B62B 2005/0471      | .. Disk brakes  |
| <b>B62B 2202/00</b> | <b>Indexing codes relating to type or characteristics of transported articles</b>   |

|               |  |
|---------------|--|
| B62B 2202/02  | . Cylindrically-shaped articles, e.g. drums, barrels, flasks |
| B62B 2202/021 | .. Bottles   |
| B62B 2202/022 | .. Gas bottles   |
| B62B 2202/023 | .. Beverage holders, e.g. for a cup, tin or bottle           |
| B62B 2202/025 | .. Reels, e.g. for filamentary or sheet material             |
| B62B 2202/026 | .. Milkchurns  |
| B62B 2202/028 | .. Buckets   |
| B62B 2202/03  | .. Bales of hay or grass                                     |
| B62B 2202/031 | .. Wheels, tires   |
| B62B 2202/10  | . Heavy objects, e.g. ISO-containers                         |
| B62B 2202/12  | . Boxes, Crates  |
| B62B 2202/20  | . Dustbins, refuse containers                                |
| B62B 2202/22  | . Flexible bags, e.g. for rubbish                            |
| B62B 2202/24  | . Suit-cases, other luggage                                  |
| B62B 2202/26  | . Handbags, e.g. shopping bags                               |
| B62B 2202/30  | . Furniture  |
| B62B 2202/32  | .. Chairs  |
| B62B 2202/34  | .. Music instruments, e.g. pianos                            |
| B62B 2202/35  | .. Music stands  |
| B62B 2202/40  | . Sport articles   |
| B62B 2202/401 | .. Skis  |
| B62B 2202/402 | .. for fishing   |
| B62B 2202/403 | .. Boats or other water vehicles                             |
| B62B 2202/404 | .. Golf articles, e.g. golfbags                              |
| B62B 2202/406 | ... Golf clubs   |
| B62B 2202/407 | ... Holders for balls, tees                                  |
| B62B 2202/408 | .. Outboard motors   |
| B62B 2202/41  | . Projectiles, bombs, amunition                              |
| B62B 2202/42  | . Persons or animals, dead or alive                          |
| B62B 2202/48  | . Tools  |
| B62B 2202/50  | . Cleaning or gardening articles                             |
| B62B 2202/52  | . Beach or picnic trolleys                                   |
| B62B 2202/56  | . Computers; Screens   |

- B62B 2202/60 . Motors
- B62B 2202/61 . Batteries
- B62B 2202/62 . Tiles, bricks, paving slabs or the like
- B62B 2202/64 . Documents, files or paper sheets
- B62B 2202/65 . Clothes
- B62B 2202/66 . Laundry
- B62B 2202/67 . Service trolleys, e.g. in aircraft
- B62B 2202/68 . Coffins
- B62B 2202/70 . Flowers; Pots; Plants
- B62B 2202/80 . Household appliances, e.g. bath tubs, toilets or radiators
- B62B 2202/90 . Vehicles
- B62B 2202/92 . . Forklift trucks

**Guidance heading:** **Sledges** ( characterised by animal propulsion [B62C](#) ; propulsion of sledges by driver or engine [B62M](#) )

#### **B62B 2203/00 Grasping, holding, supporting the objects**

- B62B 2203/02 . suspended
- B62B 2203/04 . . pivotally, e.g. for keeping it horizontally
- B62B 2203/05 . Rocking means for facilitating tilting of the cart, e.g. by loading
- B62B 2203/07 . Comprising a moving platform or the like, e.g. for unloading
- B62B 2203/071 . . turning around a vertical pivot axis
- B62B 2203/073 . . sliding in a horizontal plane
- B62B 2203/10 . comprising lifting means
- B62B 2203/11 . . comprising a crane
- B62B 2203/13 . . comprising a self levelling surface
- B62B 2203/20 . using forks or tines
- B62B 2203/21 . . the objects being supported between the tines
- B62B 2203/22 . . the fork comprising more than two tines
- B62B 2203/24 . . Changing the position of the fork or supports
- B62B 2203/26 . . the fork being independent from the supporting arms in which the wheels are incorporated

- B62B 2203/28 . . Guiding the forks into the pallets
- B62B 2203/29 . . Stops on the tines to arrest the pallets or other objects
- B62B 2203/30 . using magnets or suction cups
- B62B 2203/40 . Supporting bins or barrels by their handgrips or other protrusions
- B62B 2203/42 . Grips for grasping the upper rim of the barrels
- B62B 2203/44 . Clamping or supporting circumferentially
- B62B 2203/50 . comprising weighing means
- B62B 2203/60 . Positioning, means on a cart for loads
- B62B 2203/70 . Comprising means for facilitating loading or unloading
- B62B 2203/72 . . means for pushing or pulling the load from/onto the platform
- B62B 2203/74 . . rolling means, e.g. rollers

#### **B62B 2204/00 Ventilation; Heating; Cooling; Insulation**

- B62B 2204/02 . comprising a heating unit
- B62B 2204/04 . comprising a cooling unit
- B62B 2204/06 . comprising insulating materials

#### **B62B 2205/00 Hand-propelled vehicles or sledges being foldable or dismountable when not in use**

- B62B 2205/003 . with actuation mechanisms which drive the folding or unfolding operation
- B62B 2205/006 . dismountable
- B62B 2205/02 . foldable widthwise
- B62B 2205/04 . box-shaped in folded position
- B62B 2205/06 . Foldable with a scissor-like mechanism
- B62B 2205/10 . Detachable wheels
- B62B 2205/102 . . stowed on top of each other
- B62B 2205/104 . . Detachable wheel units, e.g. together with the wheel shaft
- B62B 2205/12 . Collapsible wheels
- B62B 2205/121 . . stowed on top of each other
- B62B 2205/123 . . comprising a foldable interconnecting shaft
- B62B 2205/14 . Retractable wheels

B62B 2205/145 . . retractable in the direction of the shaft, e.g. with telescopic shafts

B62B 2205/18 . Geared articulations

B62B 2205/20 . Catches; Locking or releasing an articulation

B62B 2205/22 . . remotely controlled, e.g. from the handlebar

B62B 2205/23 . . foot operated

B62B 2205/24 . . to hold in the folded position

B62B 2205/26 . Arrangements for standing up in folded position

B62B 2205/30 . Detachable, retractable or collapsible load supporting means

B62B 2205/32 . . Shelves

B62B 2205/33 . . . stowed in a vertical position

## **B62B 2206/00 Adjustable or convertible hand-propelled vehicles or sledges**

B62B 2206/003 . with actuation mechanisms which drive the adjustment or conversion operation

B62B 2206/006 . Convertible hand-propelled vehicles or sledges

B62B 2206/02 . adjustable in length or width

B62B 2206/04 . . only the load support being adjustable

B62B 2206/06 . adjustable in height

## **B62B 2207/00 Joining hand-propelled vehicles or sledges together**

B62B 2207/02 . rigidly

B62B 2207/04 . Forklift trucks with wheeled pallets

## **B62B 2301/00 Wheel arrangements; Steering; Stability; Wheel suspension**

B62B 2301/02 . comprising wheels for longitudinal travelling and wheels for lateral travelling

B62B 2301/04 . comprising a wheel pivotable about a substantially vertical axis, e.g. swivelling castors

B62B 2301/044 . . arranged remote from the longitudinal centreline of the hand propelled vehicle

B62B 2301/046 . . with means restricting the rotation about that axis

B62B 2301/0463 . . . by blocking the rotation at a position

B62B 2301/04632 . . . . at two or more positions

B62B 2301/0465 . . . by urging the wheel into a position, e.g. into a straight forward position

B62B 2301/0467 . . . combined with means for braking the wheel

B62B 2301/05 . Details of the attachment of the wheel assembly to the chassis

B62B 2301/06 . Steering all wheels together simultaneously

- B62B 2301/08 . comprising additional wheels to increase stability
- B62B 2301/10 . Adjusting the position of the wheel axles to increase stability
- B62B 2301/12 . comprising counterbalancing means to increase stability
- B62B 2301/14 . the wheel arrangement pivoting around a horizontal-longitudinal axis
- B62B 2301/20 . Resilient wheel suspension using springs
- B62B 2301/22 . . using leafsprings
- B62B 2301/23 . . the pressure of the wheel on the ground being controlled, e.g. by the load or the wheel slip
- B62B 2301/25 . characterised by the ground engaging elements, e.g. wheel type
- B62B 2301/252 . . by using ball-shaped wheels
- B62B 2301/254 . . by using roller-shaped wheels
- B62B 2301/256 . . by using endless belts
- B62B 2301/258 . . by using screw-type propulsion
- B62B 2301/33 . Wheels provided with protrusions, e.g. anti-slip protrusions
- B62B 2301/34 . Protection against mud, e.g. by retracting or enclosing the wheels
- B62B 2501/00      Manufacturing; Constructional features**
- B62B 2501/02 . Dimensions
- B62B 2501/04 . Production features
- B62B 2501/06 . Materials used
- B62B 2501/062 . . Cardboard or paper
- B62B 2501/065 . . Plastics
- B62B 2501/067 . . Wires