

**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 2005/0471 .. Disk brakes
- 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 ( [B62B 13/18](#) and [B62B 15/001](#) take precedence ) }
- B62B 15/009 .. { Wheels attachable to the runners }
  
- B62B 17/00** **Accessories or details of sledges { ( propulsion devices for sledges [B62M 27/00](#) , [B62M 29/00](#) ) }**
  
- B62B 17/005 . { Safety devices }
  
- B62B 17/02 . Runners ( attachable to or replacing vehicle wheels [B62B 19/00](#) )
- B62B 17/04 .. resiliently suspended
  
- B62B 17/06 . Superstructures ; Attachments therefor
- B62B 17/061 .. { Handles }
- B62B 17/062 .. { Resilient suspensions of bodies ( [B62B 17/04](#) 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
  
- B62B 19/00** **Runners for carrying wheeled vehicles to facilitate travel on ice or snow**
  
- B62B 19/02 . attachable to wheels
  
- B62B 19/04 . replacing wheels

#### Guidance heading:

- B62B 2202/00** **Indexing codes relating to type or characteristics of transported articles**
  
- 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