PERFORMING OPERATIONS; TRANSPORTING

TRANSPORTING

LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS

HAND-PROPELLED VEHICLES, e.g. HAND CARTS, PERAMBULATORS; SLEDGES

NOTES

1. 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

2. Rollers are taken as being equivalent to wheels

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:

   B62B 3/065 covered by

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.

Hand carts

1/00 Hand carts having only one axis carrying one or more transport wheels; Equipment therefor
1/002 . . (convertible from a one-axled vehicle to a two-axled vehicle)
1/004 . . [being longitudinally nestable with each other]
1/006 . . [being vertically stackable with each other]
1/008 . . [having a prop or stand for maintaining position]
1/02 . . in which the wheel axis is disposed between the load and the handles
1/04 . . involving parts being adjustable, collapsible, attachable, detachable, or convertible
1/042 . . . [foldable]
1/045 . . . . [foldable in one action]
1/047 . . . . . [by telescopic movement of the handle]
1/06 . . . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment
1/08 . . having auxiliary wheels used during loading or unloading
1/10 . . in which the load is intended to be transferred totally to the wheels
1/12 . . involving parts being adjustable, collapsible, attachable, detachable, or convertible
1/125 . . . [by means of telescoping elements]
1/14 . . . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment
1/142 . . . [with object clamping means being movable substantially parallel to the ground surface]
1/145 . . . [Unloading equipment for pushing the load from the carrier platform]
1/147 . . . [the load support being in the form of a scoop]
1/16 . . involving tiltably-mounted containers
1/18 . . in which the load is disposed between the wheel axis and the handles, e.g. wheelbarrows
1/183 . . . [with spring-mounted wheels]
1/186 . . . [comprising an additional wheel, e.g. mounted on the struts]
1/20 . . involving parts being collapsible, attachable, detachable or convertible
1/202 . . . [Detachable buckets]
1/204 . . . [Detachable elements on the buckets, e.g. for increasing volume]
1/206 . . . [and capable of being completely disassembled]
1/208 . . . [foldable]
1/22 . . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment
1/24 . . involving tiltably-mounted containers
1/26 . . characterised by supports specially adapted to objects of definite shape
1/262 . . . [the objects being of elongated shape, e.g. fishing rods, golf clubs]
1/264 . . . [the objects being of cylindrical shape, e.g. barrels, buckets, dustbins]
1/266 . . . [the objects being bags]
1/268 . . . [the objects being plates, doors, panels or the like]

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])
3/001 . . [Steering devices]
3/002 . . [characterised by a rectangular shape, involving sidewalls or racks]
3/003 . . . [Non-transparent side walls]
3/004 . . . [Details of doors or cover lids]
3/005 . . . [Details of storage means, e.g. drawers, bins or racks]
3/006 . . . [for stacking objects like trays, bobbins, chains]
Hand carts

- [Coaster wagons]
- [having more than two axes]
- [of the single-track type]
- involving parts being adjustable, collapsible, attachable, detachable or convertible
- (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])
- [Foldable roll containers]
- [collapsible shopping trolleys]
- involving means for grapping or securing in place objects to be carried; Loading or unloading equipment
- for simply clearing the load from the ground (masted lift trucks B66E)
- [manually operated]
- [power operated]
- [using fluid lifting mechanisms]
- [using rigid mechanical lifting mechanisms, e.g. levers, cams or gears]
- [with a parallelogram linkage]
- [using flexible mechanical lifting mechanisms, e.g. ropes or chains]
- [the wheels remaining stationary while the supporting surface is lifted]
- involving tiltably-mounted containers
- characterised by supports specially adapted to objects of definite shape
- [the objects being of elongated shape, e.g. rods or golf clubs]
- [the object being of cylindrical shape, e.g. barrels, buckets, dustbins]
- [the objects being bags]
- [the objects being plates, doors, panels, or the like]
- characterised by three-wheeled construction
- characterised by provisions for nesting or stacking, e.g. shopping trolleys (collapsible shopping trolleys B62B 3/027)
- [Means for facilitating stowing or transporting of the trolleys; Antitheft arrangements (B62B 5/0423 takes precedence)]
- [Display devices mounted on it, e.g. advertisement displays]
- [mounted on the frame]
- [mounted on the handle]
- [mounted on the basket]
- [Electronic display devices]
- [Adaptations for calculators, memory aids or reading aids]
- [mounted in the locking device]
- [Covers, e.g. for protection in rain]
- [Adaptations for transporting children; Mounting of toys for the children]
- [Transporting devices mounted on the shopping cart]
- [Linnings or cushions]
- [Safety belts]
- [Mounting of toys]
- [Lockers, hooks, e.g. for personal belongings]
- [Bags or containers specially adapted to the baskets]
- [Additional trays]
- [Supports for specific articles (B62B 3/1468 takes precedence)]
- [the main load support being a platform]
- [Adaptations facilitating the transport to the counter]
- [by an auxiliary access to the inside of the basket]
- [Indicating or preventing transport of goods under the basket]
- [Wheel arrangements]
- [Assembling of baskets to the wheeled support]
- vertically stackable
- [roll baskets]
- nestable by means of pivoted supports or support parts, e.g. baskets (B62B 3/1476 takes precedence)
- [Swinging baskets]
- [Nestable roll containers]
- [V-shaped when nested]
- [Z-shaped when nested]

5/00  Accessories or details specially adapted for hand carts (B62B 3/1404), B62B 9/00 take precedence; wheels, axles, or axle bearings for vehicles B60B; castors for vehicles, castors in general B60B 33/00)

- [Adaptations for loading in or on a vehicle]
- [Bumpers; Safety devices]
- [Stops for moving parts, e.g. rubber elements to eliminate stop noise]
- [Protection covers, e.g. against rain]
- [Adaptations for connection to perambulators]
- [Adaptations for moving the carts by wheel chair users or other disabled persons]
- [Arrangements for carrying as a back-pack]
- [Propulsion aids]
- [Combustion engines]
- [Electric motors]
- [Arrangements of motors]
- [in wheels]
- [One motor drives one wheel]
- [One motor drives two wheels]
- [Detachably mounted motor units]
- [Arrangements of batteries]
- [Energy recuperation]
- [facilitating hand propulsion when motor fails]
- [guiding, e.g. by a rail]
- [Transmission of movement]
- [Control]
- [Measuring a force]
- [Remotely controlled]
- [Towing by connecting to another vehicle]
- [Wheeled supports connected to the transported object]
- [arranged independently on either side of the transported load]
- [Lifting lever on wheels or rollers]
- [Flat dollys without hand moving equipment]
- [Identification of the cart or merchandise, e.g. by barcodes or radio frequency identification (RFID)]
- providing for travelling up or down a flight of stairs (chairs or multi-track cycles specially adapted for invalids A61G 5/00)
Carriages for children; Perambulators (chairs or multi-track cycles specially adapted for invalids A61G 5/000)

7/00 Carriages for children; Perambulators, e.g. dolls' perambulators

7/002 having a single central pillar
7/004 (Carriages supporting a hammock-style seat)
7/006 (Carriages supporting a rigid seat (when detachable or rotatable B62B 7/145))
7/008 (for two or more children)
7/02 having only a single wheel axis

7/04 having more than one wheel axis; Steering devices therefor
7/042 (Steering devices)
7/044 (three wheeled)
7/046 (with interchangeable front wheel unit)
7/048 (Single track type)
7/06 collapsible or foldable
7/062 (Coupling unit between front wheels, rear wheels and handle)
7/064 (the handle bar being parallel to the front leg)
7/066 (the handle bar moves in parallel relation during folding)
7/068 (by sliding a bushing along a rod, e.g. like folding means of an umbrella)
7/08 in the direction of, or at right angles to, the wheel axis
7/083 (the wheel axes being moved from each other during folding)
7/086 (becoming smaller in all three dimensions)
7/10 by folding down the body to the wheel carriage or by retracting projecting parts into the box-shaped body
7/105 (with the wheels staying in a fixed relation to each other)
7/12 convertible, e.g. into children's furniture or toy (children's chairs convertible to pushchairs A47D 1/06)
7/123 (from seat to bed (B62B 7/147, B62B 9/104 take precedence))
7/126 (into a trailer, e.g. bicycle trailer)
7/14 with detachable or rotatably-mounted body ((the body usable as a child's seat in a vehicle B60N 2/2848))
7/142 (Means for securing the body to the frame)
7/145 (the body being a rigid seat, e.g. a shell)
7/147 (rotatable as a whole to transform from seating to lying)

9/00 Accessories or details specially adapted for children's carriages or perambulators (providing for travelling on snow B62B 19/00)

9/005 (Safety means for traffic, e.g. lights, reflectors, mirrors etc. (signalling means for cycles B62I))
9/008 providing for travelling up or down a flight of stairs
9/04 with runners, e.g. sledge runners
9/06 with spiders or the like
9/08 Braking mechanisms; Locking devices against movement
9/082 (foot operated)
9/085 (hand operated)
9/087 (by locking in a braking position)
9/10 Perambulator bodies; Equipment therefor (collapsible or foldable B62B 7/08; convertible B62B 7/12)
9/102 (characterized by details of the seat)
9/104 (with adjustable or reclining backrests)
9/106 (with head guards)
9/108 (Linings or cushions)
9/12 involving parts that are adjustable, detachable or detachable (B62B 9/102, B62B 9/14 take precedence)
9/14 (Equipment protecting from environmental influences, e.g.) Hoods; Weather screens; Cat nets
Carriages for children; Perambulators

Sledges (characterised by animal propulsion B62C; propulsion of sledges by driver or engine B62M)

13/00 Sledges with runners (ice boats or sailing sledges B62B 15/00)
13/005 . . . [comprising articulated sledge segments]
13/02 . . . characterised by arrangement of runners
13/04 . . . arranged in a single line
13/043 . . . . . . [having one single runner (monoski A63C 5/03)]
13/046 . . . . . . [with steering devices]
13/06 . . . arranged in two or more parallel lines
13/08 . . . with steering devices
13/10 . . . . . . . . . . . . . . [the runners being bent in the shape of the curve to follow]
13/12 . . . with tilting or bending runners
13/125 . . . . . . . . . . . . . (the runners being bent in the shape of the curve to follow)
13/14 . . . . . . . . . . . . . . combined with braking devices
13/16 . . . Collapsible or foldable sledges
13/18 . . . Vehicles having alternatively-usable runners and wheels (or other transport means)

15/00 Other sledges; Ice boats or sailing sledges
15/001 . . . . [propelled by sails]
15/002 . . . . [having skis or runners]
15/003 . . . . [having floats]
15/004 . . . . [having wheels]
15/005 . . . . . . . . . . . . . . [the arrangement is similar to a bicycle]
15/006 . . . . [Inflatable sledges]
15/007 . . . . . [Towed sledges]
15/008 . . . . . . . . . . . [Wheeled sledges (B62B 13/18 and B62B 15/001 take precedence)]
15/009 . . . . . . . . . . . . . [Wheels attachable to the runners]

17/00 Accessories or details of sledges ((propulsion devices for sledges B62M 27/00; B62M 29/00))
17/005 . . . [Safety devices]
17/02 . . . Runners (attachable to or replacing vehicle wheels B62B 19/00)

17/04 . . . resiliently suspended
17/06 . . . Superstructures; Attachments therefor
17/061 . . . [Handles]
17/062 . . . [Resiliently suspended bodies (B62B 17/04 takes precedence)]
17/063 . . . [Seats or other supports specially adapted for the user]
17/065 . . . [the user being standing up]
17/066 . . . [the user being hanging in a harness]
17/067 . . . [the user being sitting on his knees]
17/068 . . . [the user being laying on his belly]
17/08 . . . Braking devices

19/00 Runners for carrying wheeled vehicles to facilitate travel on ice or snow
19/02 . . . attachable to wheels
19/04 . . . replacing wheels

2202/00 Indexing codes relating to type or characteristics of transported articles
2202/02 . . . Cylindrically-shaped articles, e.g. drums, barrels, flasks
2202/021 . . . Bottles
2202/022 . . . Gas bottles
2202/023 . . . Beverage holders, e.g. for a cup, tin or bottle
2202/025 . . . Reels, e.g. for filamentary or sheet material
2202/026 . . . Milkchurns
2202/028 . . . Buckets
2202/03 . . . Bales of hay or grass
2202/031 . . . Wheels, tires
2202/10 . . . Heavy objects, e.g. ISO-containers
2202/12 . . . Boxes, Crates
2202/20 . . . Dustbins, refuse containers
2202/22 . . . Flexible bags, e.g. for rubbish
2202/24 . . . Suit-cases, other luggage
2202/26 . . . Handbags, e.g. shopping bags
2202/30 . . . Furniture
2202/32 . . . Chairs
2202/34 . . . Music instruments, e.g. pianos
2202/35 . . . Music stands
2202/40 . . . Sport articles
2202/401 . . . Skis
2202/402 . . . for fishing
2202/403 . . . Boats or other water vehicles
2202/404 . . . Golf articles, e.g. golfbags
2202/406 . . . Golf clubs
2202/407 . . . Holders for balls, tees
2202/408 . . . Outboard motors
2202/41 . . . Projectiles, bombs, ammunition
2202/42 . . . Persons or animals, dead or alive
2202/48 . . . Tools
2202/50 . . . Cleaning or gardening articles
2202/52 . . . Beach or picnic trolleys
2202/56 . . . Computers; Screens
2202/60 . . . Motors
2202/61 . . . Batteries
2202/62 . . . Tiles, bricks, paving slabs or the like
2202/64 . . . Documents, files or paper sheets
2202/65 . . . Clothes
2202/66 . . . Laundry
2202/67 . . . Service trolleys, e.g. in aircraft
Sledges (characterised by animal propulsion B62C; propulsion of sledges by driver or engine B62M)

2203/00 Grasping, holding, supporting the objects
2203/02 . suspended
2203/04 . pivotally, e.g. for keeping it horizontally
2203/05 . Rocking means for facilitating tilting of the cart, e.g. by loading
2203/07 . Comprising a moving platform or the like, e.g. for unloading
2203/071 . turning around a vertical pivot axis
2203/073 . sliding in a horizontal plane
2203/10 . comprising lifting means
2203/11 . comprising a crane
2203/13 . comprising a self levelling surface
2203/20 . using forks or tines
2203/21 . the objects being supported between the tines
2203/22 . the fork comprising more than two tines
2203/24 . Changing the position of the fork or supports
2203/26 . the fork being independent from the supporting arms in which the wheels are incorporated
2203/28 . Guiding the forks into the pallets
2203/29 . Stops on the tines to arrest the pallets or other objects
2203/30 . using magnets or suction cups
2203/40 . Supporting bins or barrels by their handgrips or other protrusions
2203/42 . Grips for grasping the upper rim of the barrels
2203/44 . Clamping or supporting circumferentially
2203/50 . comprising weighing means
2203/60 . Positioning, means on a cart for loads
2203/70 . Comprising means for facilitating loading or unloading
2203/72 . means for pushing or pulling the load from/onto the platform
2203/74 . rolling means, e.g. rollers

2204/00 Ventilation; Heating; Cooling; Insulation
2204/02 . comprising a heating unit
2204/04 . comprising a cooling unit
2204/06 . comprising insulating materials

2205/00 Hand-propelled vehicles or sledges being foldable or dismountable when not in use
2205/003 . with actuation mechanisms which drive the folding or unfolding operation
2205/006 . dismountable
2205/02 . foldable widthwise
2205/04 . box-shaped in folded position
2205/06 . Foldable with a scissor-like mechanism
2205/10 . Detachable wheels
2205/102 . stowed on top of each other
2205/104 . Detachable wheel units, e.g. together with the wheel shaft
2205/12 . Collapsible wheels
2205/121 . stowed on top of each other
2205/123 . comprising a foldable interconnecting shaft
2205/14 . Retractable wheels
2205/145 . retractable in the direction of the shaft, e.g. with telescopic shafts
2205/18 . Geared articulations
2205/20 . Catches; Locking or releasing an articulation
2205/22 . remotely controlled, e.g. from the handlebar
2205/23 . foot operated
2205/24 . to hold in the folded position
2205/26 . Arrangements for standing up in folded position
2205/30 . Detachable, retractable or collapsible load supporting means
2205/32 . . Shelves
2205/33 . . stowed in a vertical position

2206/00 Adjustable or convertible hand-propelled vehicles or sledges
2206/003 . with actuation mechanisms which drive the adjustment or conversion operation
2206/006 . Convertible hand-propelled vehicles or sledges
2206/02 . adjustable in length or width
2206/04 . only the load support being adjustable
2206/06 . adjustable in height

2207/00 Joining hand-propelled vehicles or sledges together
2207/02 . rigidly
2207/04 . Forklift trucks with wheeled pallets

2301/00 Wheel arrangements; Steering; Stability; Wheel suspension
2301/02 . comprising wheels for longitudinal travelling and wheels for lateral travelling
2301/04 . comprising a wheel pivotable about a substantially vertical axis, e.g. swivelling castors
2301/044 . arranged remote from the longitudinal centreline of the hand propelled vehicle
2301/046 . with means restricting the rotation about that axis
2301/0463 . . . by blocking the rotation at a position
2301/04632 . . . at two or more positions
2301/0465 . . . by urging the wheel into a position, e.g. into a straight forward position
2301/0467 . . . combined with means for braking the wheel
2301/05 . Details of the attachment of the wheel assembly to the chassis
2301/06 . Steering all wheels together simultaneously
2301/08 . comprising additional wheels to increase stability
2301/10 . Adjusting the position of the wheel axles to increase stability
2301/12 . comprising counterbalancing means to increase stability
2301/14 . the wheel arrangement pivoting around a horizontal-longitudinal axis
2301/20 . Resilient wheel suspension using springs
2301/22 . . . using leafsprings
2301/23 . . the pressure of the wheel on the ground being controlled, e.g. by the load or the wheel slip
2301/25 . . characterised by the ground engaging elements, e.g. wheel type
2301/252 . . by using ball-shaped wheels
2301/254 . . by using roller-shaped wheels
2301/256 . . by using endless belts
2301/258 . . by using screw-type propulsion
2301/33 . Wheels provided with protrusions, e.g. anti-slip protrusions

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2301/34 Protection against mud, e.g. by retracting or enclosing the wheels

2501/00 Manufacturing; Constructional features

- 2501/02 Dimensions
- 2501/04 Production features
- 2501/06 Materials used
- 2501/062 Cardboard or paper
- 2501/065 Plastics
- 2501/067 Wires