

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

TRANSPORTING

B62 LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS

B62B HAND-PROPELLED VEHICLES, e.g. HAND CARTS OR PERAMBULATORS; SLEDGES (characterised by animal propulsion [B62C](#); propulsion of sledges by driver or engine [B62M](#))

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 [B62B 3/0618](#)
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

		1/16	. . 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}
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}		

- 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}
- 3/007 . {Coaster wagons}
- 3/008 . {having more than two axes}
- 3/009 . {of the single-track type}
- 3/02 . involving parts being adjustable, collapsible, attachable, detachable or convertible
- 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](#))}
- 3/025 . . {Foldable roll containers}
- 3/027 . . {collapsible shopping trolleys}
- 3/04 . involving means for grappling or securing in place objects to be carried; Loading or unloading equipment
- 3/06 . . for simply clearing the load from the ground ([masted lift trucks B66F](#))
- 3/0606 . . . {manually operated}
- 3/0612 . . . {power operated}
- 3/0618 . . . {using fluid lifting mechanisms}
- 3/0625 . . . {using rigid mechanical lifting mechanisms, e.g. levers, cams or gears}
- 3/0631 {with a parallelogram linkage}
- 3/0637 . . . {using flexible mechanical lifting mechanisms, e.g. ropes or chains}
- 3/0643 . . . {the wheels remaining stationary while the supporting surface is lifted}
- 3/08 . involving tiltably-mounted containers
- 3/10 . characterised by supports specially adapted to objects of definite shape
- 3/102 . . {the objects being of elongated shape, e.g. rods or golf clubs}
- 3/104 . . {the object being of cylindrical shape, e.g. barrels, buckets, dustbins}
- 3/106 . . {the objects being bags}
- 3/108 . . {the objects being plates, doors, panels, or the like}
- 3/12 . characterised by three-wheeled construction
- 3/14 . characterised by provisions for nesting or stacking, e.g. shopping trolleys ([collapsible shopping trolleys B62B 3/027](#))}
- 3/1404 . . {Means for facilitating stowing or transporting of the trolleys; Antitheft arrangements ([B62B 5/0423](#) takes precedence)}
- 3/1408 . . {Display devices mounted on it, e.g. advertisement displays}
- 3/1412 . . . {mounted on the frame}
- 3/1416 . . . {mounted on the handle}
- 3/142 . . . {mounted on the basket}
- 3/1424 . . . {Electronic display devices}
- 3/1428 . . {Adaptations for calculators, memory aids or reading aids}
- 3/1432 . . . {mounted in the locking device}
- 3/1436 . . {Covers, e.g. for protection in rain}
- 3/144 . . {Adaptations for transporting children; Mounting of toys for the children}
- 3/1444 . . . {Transporting devices mounted on the shopping cart}
- 3/1448 . . . {Linings or cushions}
- 3/1452 . . . {Safety belts}
- 3/1456 . . . {Mounting of toys}
- 3/146 . . {Lockers, hooks, e.g. for personal belongings}
- 3/1464 . . {Bags or containers specially adapted to the baskets}
- 3/1468 . . {Additional trays}
- 3/1472 . . {Supports for specific articles ([B62B 3/1468](#) takes precedence)}
- 3/1476 . . {the main load support being a platform}
- 3/148 . . {Adaptations facilitating the transport to the counter}
- 3/1484 . . . {by an auxiliary access to the inside of the basket}
- 3/1488 . . {Indicating or preventing transport of goods under the basket}
- 3/1492 . . {Wheel arrangements}
- 3/1496 . . {Assembling of baskets to the wheeled support}
- 3/16 . . vertically stackable
- 3/165 . . . {roll baskets}
- 3/18 . . nestable by means of pivoted supports or support parts, e.g. baskets ([B62B 3/1476](#) takes precedence)}
- 3/182 . . . {Swinging baskets}
- 3/184 . . . {Nestable roll containers}
- 3/186 {V-shaped when nested}
- 3/188 {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](#))**
- 5/0003 . {Adaptations for loading in or on a vehicle}
- 5/0006 . {Bumpers; Safety devices}
- 5/0009 . . {Stops for moving parts, e.g. rubber elements to eliminate stop noise}
- 5/0013 . {Protection covers, e.g. against rain}
- 5/0016 . {Adaptations for connection to perambulators}
- 5/002 . {Adaptations for moving the carts by wheel chair users or other disabled persons}
- 5/0023 . {Arrangements for carrying as a back-pack}
- 5/0026 . {Propulsion aids}
- 5/003 . . {Combustion engines}
- 5/0033 . . {Electric motors}
- 5/0036 . . . {Arrangements of motors}
- 5/004 {in wheels}
- 5/0043 {One motor drives one wheel}
- 5/0046 {One motor drives two wheels}
- 5/005 {Detachably mounted motor units}
- 5/0053 . . . {Arrangements of batteries}
- 5/0056 . . . {Energy recuperation}
- 5/0059 . . {facilitating hand propulsion when motor fails}
- 5/0063 . . {guiding, e.g. by a rail}
- 5/0066 . . {Transmission of movement}
- 5/0069 . . {Control}
- 5/0073 . . . {Measuring a force}
- 5/0076 . . . {Remotely controlled}
- 5/0079 . . {Towing by connecting to another vehicle}
- 5/0083 . {Wheeled supports connected to the transported object}

5/0086	. . {arranged independently on either side of the transported load}		
5/0089	. . {Lifting lever on wheels or rollers}		
5/0093	. . {Flat dollies without hand moving equipment}		
5/0096	. {Identification of the cart or merchandise, e.g. by barcodes or radio frequency identification [RFID]}		
5/02	. providing for travelling up or down a flight of stairs (chairs or multi-track cycles specially adapted for invalids A61G 5/00)		
5/021	. . {specially adapted for escalators}		
5/023	. . {using an upwards pushing device}		
5/025	. . {with gliding elements, e.g. skids}		
5/026	. . {with spiders or adapted wheels}		
5/028	. . {with excentrically mounted wheels}		
5/04	. Braking mechanisms; Locking devices against movement		
5/0404	. . {automatic}		
5/0409	. . . {when user rises from seat}		
5/0414	. . . {dead man's brakes}		
5/0419	. . . {braking when nested}		
5/0423	. . . {braking or blocking when leaving a particular area}		
5/0428	. . . {braking when supported on a transport belt}		
5/0433	. . {foot operated}		
5/0438	. . {hand operated}		
5/0442	. . . {using a handle bar alone}		
5/0447	. . . {using elements cooperating with a handle bar}		
5/0452	. . {by hydraulic means}		
5/0457	. . {by locking in a braking position}		
5/0461	. . . {with positive engagement}		
5/0466	. . {by turning the wheels in different directions, e.g. toe-in}		
2005/0471	. . {Disk brakes}		
5/0476	. . {Rim brakes}		
5/048	. . {Hub brakes; drum brakes}		
5/0485	. . {by braking on the running surface, e.g. the tyre}		
5/049	. . {locking against movement by contacting the floor or a wall}		
5/0495	. . . {by contacting a wall}		
5/06	. Hand moving equipment, e.g. handle bars (for cycles B62K 11/14 , B62K 21/12)		
5/061	. . {both ends or periphery of cart fitted with handles}		
5/062	. . {elastically mounted, e.g. for wheelbarrows}		
5/063	. . {for low-lift hand trucks}		
5/064	. . {adaptable for different users, e.g. by means of pivoting elements}		
5/065	. . . {by means of telescopic elements}		
5/066	. . {Handle bars rotatable about their longitudinal axis}		
5/067	. . {Stowable or retractable handle bars}		
5/068	. . {Connections to the body for moving the cart, e.g. harnesses}		
5/069	. . {Removable sleeves on handle bars, e.g. for protection against germs}		
5/08	. Children's seats (B62B 3/14 takes precedence){; Seats or supports for other persons}		
5/082	. . {Children's seats}		
5/085	. . {Resting seats}		
5/087	. . {Platforms to stand upon}		
		7/00	Carriages for children; Perambulators (chairs or multi-track cycles specially adapted for invalids A61G 5/00)
		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. (signaling means for cycles B62J)}
		9/02	. 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 7/06](#); 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, attachable or detachable ([B62B 9/102](#), [B62B 9/14](#) take precedence)
- 9/14 . . {Equipment protecting from environmental influences, e.g.} Hoods; Weather screens; Cat nets
- 9/142 . . . {by flexible canopies, covers or nets}
- 9/145 {of the roll-up type}
- 9/147 . . . {Attachments or holders for umbrellas, parasols or sunshade panels (details of umbrellas [A45B 25/00](#))}
- 9/16 . Mud-guards or protecting devices for wheels
- 9/18 . Resilient suspensions of bodies
- 9/185 . . {by springs between seat and frame}
- 9/20 . Handle bars; Handles
- 9/203 . . {movable from front end to rear end position}
- 9/206 . . {with two separate bars, i.e. not interconnected}
- 9/22 . Devices for rocking or oscillating
- 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](#))
- 9/245 . . {Removable front guards, e.g. with a tray}
- 9/26 . Securing devices for bags or toys {; Arrangements of racks, bins, trays or other devices for transporting articles}
- 9/28 . Auxiliary dismountable seats {; Additional platforms for children in standing-up position}
- 11/00 Hand-propelled vehicles not otherwise provided for (rider propulsion of vehicles [B62M 1/00](#))**

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 with swivelling portions of the runners; with a swivelling middle runner
- 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

NOTE

When classifying in this group, details of sail or rigging arrangements which are suited for marine wind propulsion are also classified in the relevant groups of subclass [B63H](#), e.g. in groups [B63H 8/00](#), [B63H 9/04](#).

WARNING

Groups [B62B 15/00](#) - [B62B 15/005](#) are impacted by reclassification into groups [B63H 8/00](#) - [B63H 8/70](#), [B63H 9/04](#), [B63H 9/06](#), [B63H 9/061](#), [B63H 9/065](#), [B63H 9/067](#) and [B63H 9/068](#) - [B63H 9/072](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 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 . . {Resilient suspensions of 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, amunition
 - 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
 - 2202/68 . Coffins
 - 2202/70 . Flowers; Pots; Plants
 - 2202/80 . Household appliances, e.g. bath tubs, toilets or radiators
 - 2202/90 . Vehicles
 - 2202/92 . . Forklift trucks
- 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
- 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