

CPC**COOPERATIVE PATENT CLASSIFICATION****B62K**

**CYCLES; CYCLE FRAMES; CYCLE STEERING DEVICES;
RIDER-OPERATED TERMINAL CONTROLS SPECIALLY ADAPTED
FOR CYCLES; CYCLE AXLE SUSPENSIONS; CYCLE SIDE-CARS,
FORECARS, OR THE LIKE**

NOTE

In this subclass, each of the main groups [B62K 7/00](#) to [B62K 15/00](#) takes precedence over all the preceding main groups, e.g. a child's bicycle is classified in [B62K 9/00](#) and not in [B62K 3/00](#)

Guidance heading:**B62K 1/00****Unicycles****B62K 3/00****Bicycles****B62K 3/002**

- . {without a seat, i.e. the rider operating the vehicle in a standing position, e.g. non-motorized scooters; non-motorized scooters with skis or runners }

B62K 3/005

- . {Recumbent-type bicycles }

B62K 3/007

- . { Automatic balancing machines supporting a rider, e.g. "Segways" }

B62K 3/02

- . Frames (tandem frames [B62K 3/14](#))

B62K 3/04

- .. having a substantially horizontal top bar

B62K 3/06

- .. of open type

B62K 3/08

- ... having crossing members

B62K 3/10

- .. of single-beam type, i.e. connecting steering head to rear axle

B62K 3/12

- . Tandems

B62K 2003/125

- .. Tandems with side-by-side seating

B62K 3/14

- .. Frames

B62K 3/16

- . specially adapted for disabled riders ([invalid multi-track cycles A61G 5/00](#))

B62K 5/00

Cycles with handlebars, equipped with three or more main road wheels (cycle supports or stands equipped with additional wheels for ride stabilisation [B62H 1/12](#))

WARNING

Groups [B62K 5/003](#) - [B62K 5/10](#) correspond to IPC2013.01

B62K 2005/001

- . Suspension details for cycles with three or more main road wheels

- B62K 2005/002 . with adaptations to be used as golf carts
- B62K 5/003 . Cycles with four or more wheels, specially adapted for disabled riders, e.g. personal mobility type vehicles with four wheels ([wheelchairs A61G 5/00](#))
- B62K 5/007 . . power-driven
- B62K 5/01 . Motorcycles with four or more wheels ([specially adapted for disabled riders B62K 5/003](#))
- B62K 5/02 . Tricycles ([children's tricycles B62K 9/02](#))
- B62K 5/023 . . specially adapted for disabled riders, e.g. personal mobility type vehicles with three wheels ([wheelchairs A61G 5/00](#))
- B62K 5/025 . . . power-driven
- B62K 5/027 . . Motorcycles with three wheels ([specially adapted for disabled riders B62K 5/023](#))
- B62K 5/05 . . characterised by a single rear wheel
- B62K 5/06 . . Frames for tricycles
- B62K 5/08 . with steering devices acting on two or more wheels
- B62K 5/10 . with means for inwardly inclining the vehicle body on bends
- B62K 7/00** **Freight- or passenger-carrying cycles**
- B62K 7/02 . Frames
- B62K 7/04 . . having a carrying platform ([article-carrying accessories B62J 7/00 to B62J 11/00](#))
- B62K 9/00** **Children's cycles** ([toy vehicles A63H 17/00](#))
- B62K 9/02 . Tricycles
- B62K 11/00** **Motorcycles, engine-assisted cycles or motor scooters with one or two wheels** ([fairings or streamlining parts not forming part of the frame B62J](#) ; [transmission of drive from engines to wheels B62M](#))
- B62K 11/02 . Frames ([motor-cycles or cycles with auxiliary engines characterised by position of engine B62M](#))
- B62K 11/04 . . characterised by the engine being between front and rear wheels
- B62K 11/06 . . . the frame being of single-beam type
- B62K 11/08 the beam being fabricated from sheet metal, e.g. forming fuel tank walls
- B62K 11/10 . . characterised by the engine being over or beside driven rear wheel
- B62K 11/12 . Steering wheel forks characterised by the association therewith of engine
- B62K 11/14 . Handle-bar constructions, or arrangements of controls thereon, specially adapted thereto ([hand controls per se B62K 23/02](#))
- B62K 13/00** **Cycles convertible to, or transformable into, other type of cycle or land vehicle** ([cycle supports or stands equipped with additional wheels for ride stabilisation B62H](#))

)

- B62K 13/02 . to a tandem
- B62K 13/025 .. { from two or more cycles }
- B62K 13/04 . to a tricycle
- B62K 13/06 . to a quadricycle, e.g. by coupling together two bicycles side by side
- B62K 13/08 . Frames

B62K 15/00 Collapsible or foldable cycles

- B62K 2015/001 . Frames adapted to be easily dismantled
- B62K 2015/003 . having a foldable crank or pedal
- B62K 2015/005 . having additional wheels for use when folded or collapsed
- B62K 15/006 . {the frame being foldable }
- B62K 15/008 .. {foldable about 2 or more axes }

B62K 17/00 Cycles not otherwise provided for

B62K 19/00 Cycle frames (cycle frames specially adapted for one particular kin of cycle specified in groups [B62K 1/00](#) to [B62K 17/00](#), see the relevant group)

- B62K 19/02 . characterised by material or cross-section of frame members
- B62K 19/04 .. the material being wholly or mainly metallic, e.g. of high elasticity
- B62K 19/06 ... tubular
- B62K 19/08 ... made from sheet
- B62K 19/10 ... Combinations of tube and sheet
- B62K 19/12 ... having cast members
- B62K 19/14 .. the material being wholly or mainly wood
- B62K 19/16 .. the material being wholly or mainly of plastics
- B62K 19/18 . Joints between frame members
- B62K 19/20 .. welded, soldered, or brazed
- B62K 19/22 .. Adhesive joints
- B62K 19/24 .. Screwed joints
- B62K 19/26 .. Riveted joints
- B62K 19/28 .. Means for strengthening joints
- B62K 19/30 . Frame parts shaped to receive other cycle parts or accessories ([axle suspensions B62K 25/00](#))

- B62K 19/32 . . Steering heads ([bearings therefor B62K 21/06](#))
- B62K 19/34 . . Bottom brackets
- B62K 19/36 . . for attaching saddle pillars, e.g. adjustable during ride
- B62K 19/38 . . for attaching brake members
- B62K 19/40 . . for attaching accessories, e.g. article carriers, lamps
- B62K 19/42 . . . for tyre pumps ([attachment devices not forming part of frame B62J 11/02](#))

- B62K 19/44 . Chain-guards forming part of frame ([chain-guards per se B62J 13/00](#))
- B62K 19/46 . Luggage carriers forming part of frame ([luggage carriers per se B62J 7/00](#))
- B62K 19/48 . Fairings forming part of frame

- B62K 21/00** **Steering devices** ([steering devices specially adapted for one particular kind of cycle specified in groups B62K 1/00 to B62K 17/00, see the relevant group](#))

- B62K 21/005 . { [Steering pivot axis arranged within the wheel e.g. for a hub center steering arrangement](#) }
- B62K 21/02 . Front wheel forks or equivalent, e.g. single tine
- B62K 21/04 . Fork crowns
- B62K 21/06 . Bearings specially adapted for steering heads ([bearings in general F16C](#))
- B62K 21/08 . Steering dampers ([dampers in general F16F](#))
- B62K 21/10 . Mechanisms for restoring steering device to straight-ahead position
- B62K 21/12 . Handle-bars; Handle-bar stems
- B62K 21/125 . . {[Extensions; Auxiliary handlebars](#) }
- B62K 21/14 . . having resilient parts therein
- B62K 21/145 . . . { [the handlebar itself being flexible](#) }
- B62K 21/16 . . having adjustable parts therein

- B62K 21/18 . Connections between forks and handle-bars or handle-bar stems
- B62K 21/20 . . resilient
- B62K 21/22 . . adjustable
- B62K 21/24 . . readily releasable

- B62K 21/26 . Handle-bar grips ([twist grips B62K 23/04](#))

- B62K 23/00** **Rider-operated controls specially adapted for cycles, i.e. means for initiating control operations, e.g. levers, grips** ([specially adapted to cycle brake mechanisms B62L 3/00](#))

- B62K 23/02 . hand actuated ([arrangements of controls on handle-bars of engine-driven cycles B62K 11/14](#))

- B62K 23/04 . . Twist grips
- B62K 23/06 . . Levers
- B62K 23/08 . foot actuated

B62K 25/00 **Axle suspensions** (for vehicles in general [B60G](#))

- B62K 25/005 . {characterised by the axle being supported at one end only }
- B62K 25/02 . for mounting axles rigidly on cycle frame or fork, e.g. adjustably
- B62K 2025/025 . . Hinged axle clamps
- B62K 25/04 . for mounting axles resiliently on cycle frame or fork (for sidecars, forecars or the like [B62K 27/06](#))
- B62K 2025/041 . . the cycle frame being made of a flexible material
- B62K 2025/042 . . Suspensions with sprung hubs
- B62K 2025/044 . . Suspensions with automatic adjustment
- B62K 2025/045 . . Suspensions with ride-height adjustment
- B62K 2025/047 . . with suspension locking means
- B62K 2025/048 . . with suspension manual adjustment details
- B62K 25/06 . . with telescopic fork, e.g. including auxiliary rocking arms
- B62K 25/08 . . . for front wheel
- B62K 25/10 . . . for rear wheel
- B62K 25/12 . . with rocking arm pivoted on each fork leg (in combination with telescopic fork [B62K 25/06](#))
- B62K 25/14 . . . with single arm on each fork leg
- B62K 25/16 for front wheel
- B62K 25/18 the arm being pivoted intermediate its ends
- B62K 25/20 for rear wheel
- B62K 25/22 . . with more than one arm on each fork leg
- B62K 25/24 for front wheel
- B62K 25/26 for rear wheel
- B62K 25/28 . . with pivoted chain-stay
- B62K 25/283 . . {for cycles without a pedal crank, e.g. motorcycles }
- B62K 25/286 . . {the shock absorber being connected to the chain-stay via a linkage mechanism }
- B62K 25/30 . . pivoted on pedal crank shelf ([B62K 25/32](#) takes precedence)
- B62K 25/32 . . the chain-stay forming a chain-guard

B62K 27/00 **Sidecars; Forecars;** { Trailers or the like specially adapted to be attached to cycles } (trailers [B60P](#) ; [B62D](#) ; characterised by carrying propulsion engine { [B62M 7/14](#) })

- B62K 27/003 . { Trailers }

WARNING

This group and its subgroups are not complete pending a reclassification; see also [B62K 27/00](#) and subgroups

- B62K 27/006 . . { having a single wheel }
- B62K 27/02 . Frames
- B62K 27/04 . Car bodies; Fairings
- B62K 27/06 . Resilient axle suspension
- B62K 27/08 . Resilient car-body suspension on frame
- B62K 27/10 . Other component parts or accessories
- B62K 27/12 . . Coupling parts for attaching cars or the like to cycle; Arrangements thereof
- B62K 27/14 . . . Resilient coupling parts
- B62K 27/16 . . Hoods; Weather-guards, e.g. windscreens

Guidance heading:

B62K 2201/00 Springs used in cycle frames or parts thereof

- B62K 2201/02 . Rubber springs
- B62K 2201/04 . Helical springs
- B62K 2201/06 . Leaf springs
- B62K 2201/08 . Fluid springs

Guidance heading:

B62K 2202/00 Motorised scooters

B62K 2204/00 Adaptations for driving cycles by electric motor (for driving electrically assisted bicycles [B62M 6/00](#))

B62K 2206/00 Quick release mechanisms adapted for cycles

B62K 2207/00 Sensors adapted for use on cycles, not otherwise provided for

- B62K 2207/02 . for sensing lateral inclination of the cycle
- B62K 2207/04 . for sensing longitudinal inclination of the cycle

B62K 2208/00 Arrangements of batteries on cycles, when not used for a cycle with auxiliary electric motor as provided for in [B62M 6/90](#); Batteries specially adapted therefor

B62K 2700/00 Frames for bicycles

NOTE

- 1) This code and all of its subdivisions are not used for classification of new documents;
2) This code and all its subdivisions were used for indexing documents which were classified in the former Dutch IdT main group 63B and sub-groups, and which have been administratively classified in best proximate CPC groups

- B62K 2700/02 . Frames for cycles characterised by the material used, i.e. where the construction of the frame is unimportant
- B62K 2700/04 . . Frames for cycles characterised by the shape of the material used
- B62K 2700/10 . . Frames for cycles characterised by the kind of material used
- B62K 2700/12 . . . Metallic frames
- B62K 2700/14 . . . Wooden frames
- B62K 2700/16 . . . Frames constructed from another material other than wood or metal
- B62K 2700/20 . Frames for cycles characterised by their shape
- B62K 2700/22 . . Frames for cycles with two wheels positioned next to one another
- B62K 2700/30 . . Frames for cycles with two wheels positioned one behind the other; Cycles without a special usage
- B62K 2700/32 . . . Elastic frames
- B62K 2700/34 . . . Rigid frames
- B62K 2700/36 Polygonal frames with four sides, for men
- B62K 2700/38 Frames with crossing elements connecting between the steering head tube and the seat tube
- B62K 2700/40 Cross shaped frames
- B62K 2700/50 . . Frames for cycles with two wheels positioned one behind the other, e.g. cycles with a special usage
- B62K 2700/52 . . . Frames characterised by the position of the cyclist
- B62K 2700/54 . . . Frames for a plurality of cyclists; Propulsion means therefor
- B62K 2700/56 . . . Frames for cycles propelled by foot contact on the ground, scooters
- B62K 2700/58 Propulsion means
- B62K 2700/60 . . . Frames of a special shape with regard to luggage transportation

B62K 2710/00 Frames or general construction of cycles with side cars or trailers

NOTE

- 1) This code and all its subdivisions are not used for classification of new documents; 2) This code and all its subdivisions were used for indexing documents which were classified in the former Dutch IdT main group 63H and sub-groups, and

which have been administratively classified in best proximate CPC groups

- B62K 2710/02 . Side cars and trailers for cycles
- B62K 2710/04 . . Bodywork, mudguards, luggage carriers, heating or ventilation devices
- B62K 2710/06 . . Hoods
- B62K 2710/08 . . Resilient bodywork suspension
- B62K 2710/10 . . Resilient axle suspension
- B62K 2710/12 . . Coupling parts
- B62K 2710/14 . . Steering mechanisms for motorcycles with side cars or for side cars with a driven wheel
- B62K 2710/16 . . Trailers for cycles and their couplings