

**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](#)

**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 ( <a href="#">wheelchairs A61G 5/00</a> )
B62K 5/025	... power-driven
B62K 5/027	.. Motorcycles with three wheels ( <a href="#">specially adapted for disabled riders B62K 5/023</a> )
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
<b>B62K 7/00</b>	<b>Freight- or passenger-carrying cycles</b>
B62K 7/02	. Frames
B62K 7/04	.. having a carrying platform ( <a href="#">article-carrying accessories B62J 7/00 to B62J 11/00</a> )
<b>B62K 9/00</b>	<b>Children's cycles (<a href="#">toy vehicles A63H 17/00</a>)</b>
B62K 9/02	. Tricycles
<b>B62K 11/00</b>	<b>Motorcycles, engine-assisted cycles or motor scooters with one or two wheels (<a href="#">fairings or streamlining parts not forming part of the frame B62J</a>; <a href="#">transmission of drive from engines to wheels B62M</a>)</b>
B62K 11/02	. Frames ( <a href="#">motor-cycles or cycles with auxiliary engines characterised by position of engine B62M</a> )
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 ( <a href="#">hand controls per se B62K 23/02</a> )
<b>B62K 13/00</b>	<b>Cycles convertible to, or transformable into, other type of cycle or land vehicle (<a href="#">cycle supports or stands equipped with additional wheels for ride stabilisation B62H 1/12</a>)</b>
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
<b>B62K 15/00</b>	<b>Collapsible or foldable cycles</b>
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 kind 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 ( <a href="#">twist grips B62K 23/04</a> )
<b>B62K 23/00</b>		<b>Rider-operated controls specially adapted for cycles, i.e. means for initiating control operations, e.g. levers, grips (<a href="#">specially adapted to cycle brake mechanisms B62L 3/00</a>)</b>
B62K 23/02	.	hand actuated ( <a href="#">arrangements of controls on handle-bars of engine-driven cycles B62K 11/14</a> )
B62K 23/04	..	Twist grips
B62K 23/06	..	Levers
B62K 23/08	.	foot actuated
<b>B62K 25/00</b>		<b>Axle suspensions (<a href="#">for vehicles in general B60G</a>)</b>
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 25/025	..	{Hinged axle clamps }
B62K 25/04	.	for mounting axles resiliently on cycle frame or fork ( <a href="#">for sidecars, forecars or the like B62K 27/06</a> )
B62K 25/041	..	{the cycle frame being made of a flexible material }
B62K 25/042	..	{Suspensions with sprung hubs }
B62K 25/044	..	{Suspensions with automatic adjustment }
B62K 25/045	..	{Suspensions with ride-height adjustment }
B62K 25/047	..	{with suspension locking means }
B62K 25/048	..	{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 ( <a href="#">in combination with telescopic fork B62K 25/06</a> )
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

**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

**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

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B62K 2710/00

(continued)

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